ESSAYS AND SCIENTIFIC PAPERS OF ALBERT SZENT-GYÖRGYI

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PREFACE

On 10th of December 1987 on the 50th Anniversary of his Nobel prize award our university took the name of Albert Szent-Györgyi our one-time Professor, Dean and Rector.

The great name means not only decoration but obligations as well: scientific activity of international standard, high morality, humanism, aptitude for novelties and love of peace. An expression of the appreciation for him is that we continue and make efforts to complete the collection of the intellectual and material documents of his rich life-work.

The present issue compiles the publications of Albert Szent-Györgyi. We believe it will command interest in Hungary and abroad alike.

The nearly complete bibliography provides valuable information on the publishing activities of a great man and we can learn the subjects engaged the interest of the scientist in different periods of his life.

The ideas, scientific results and declarations of a humanist appearing in the background of titles of his publications should mean an example to be followed for all of us.

2 January, 1991.

Prof. Dr. János Szilárd
Rector of the Albert Szent-Györgyi Medical University

INTRODUCTION

This compilation of Albert Szent-Györgyi's essays and scientific papers together with his short biography provides one with a birdseye view of his wide ranging interest in science, of his concerns of issues facing mankind, of his efforts in building up science in Hungary and of his faith and hopes in future generations. He was a romantic spirit who lived for science. Prof, as his collaborators called him endured hardships in order to conduct his research and was ready for any sacrifice. He was an addict of science in the best possible meaning. He had a great belief in the value of a full life. He had strong convictions who disregarded risks, even his personal safety to state and stand up for what he thought was right. He had an uncanny ability to formulate issues whether scientific or those affecting society in a most direct way.

The list of publication and the titles gives one a feel of the evolution of Szent-Györgyi's efforts to develop the central theme of his research that focuses on the mechanism the cells evolved for energy production and energy utilization. The early publications illustrate his efforts to find a subject and discipline. In the beginning of the 1920s he initiates his pivotal studies on biological oxidation which eventually lead as a byproduct to the discovery of Vitamin-C and the award of the Nobel-prize. The second stage of his career in the late thirties and forties is represented by his fundamental studies on the molecular basis of muscle contraction. He has spent the last decades of his life probing the way proteins in general may serve as transducers of energy and their invovement in cell division and cancer.

This bibliography testifies Szent-Györgyi's increasing invovement in the moral and political issues of the day following his return to Hungary.His non-scientific writings reflect his convictions as to the role of scientists in society, on the responsibility to the use of knowledge for non-destructive purposes, in particular his faith in the younger generation.

Hidden behind the titles of the papers was a man of great warmth with a great sense of humor and an immense vitality and charm. He remained true to his principles: „To see what everyone sees and to think what nobody thinks." Science was a very serious activity that one did for fun. He enjoyed life to the very end. He was fully aware of his contributions and retained a warm feeling towards his motherland especially for Szeged.

24 July, 1991.

Prof. Dr. Andrew G. Szent-Györgyi
Brandeis University
Department of Biology

BIOGRAPHY OF ALBERT SZENT-GYÖRGYI*

Albert Szent-Györgyi was born in Budapest on September 16, 1893 from an old Transylvanian family. His father Miklós was a petty farmer, bailiff, his mother was the daughter of József Lenhossék, a university professor. Place of his childhood together with his brothers Pál and László, was the mansion of Kis-Kér near Buják, and Budapest. Between 1904 and 1911 he was student of the Presbyterian College in Lónyay Street of Budapest.

After graduation he entered the Medical Faculty of Péter Pázmány University of Budapest, where his uncle Mihály Lenhossék was the professor of Anatomy. His studies, however, were interrupted by the World War I. He was drafted in 1914 and attended medical service at the Military Hospital of Miskolc. In 1915 he was sent to the Russian front where he was wounded and granted leave in 1917. During the time of his recovery he managed to finish his studies and he was conferred the degree of doctor on June 9, 1917. On September 19 of the same year he married Kornélia Demény. After his complete recovery in 1918 he was ordered to the Italian front where he was working at the bacteriological laboratory of a military hospital for two weeks only up to November of 1918 when the Italian front collapsed.

Then he became assistant under Géza Mansfeld, the professor of the Department of Pharmacology of the recently founded Erzsébet University of Pozsony. A couple of months after Pozsony was annexed by Czechoslovakia, they lost their small property and the years of wandering followed with his wife and daughter Kornélia (Nelli) on his scanty maternal inheritance. In 1919 for few weeks he was conducting electro-physiological studies at the Physiological Department of professor A. Tsermak, from where he moved to Berlin to be the assistant of L. Michaelis (1919–1920). Since there was no possibility for a final assignment, he decided to go to the tropics. Therefore, he continued his research in bacteriology and chemistry at the Institute of Tropical Health of Hamburg in 1921–1922, then as a first assistant of Storm van Leeuwen professor of the Institute of Pharmacology in Leiden 1922–1923. His attention increasingly focussed on chemical processes underlying physiological phenomena and various pharmacological effects. Between 1923–26 upon the invitation of professor R. J. Hamburger he was privat-docent at the University of Groningen. During the four years of his first assignment there he started his studies on cell oxidation and in 1924 his experiments settled the dispute between O. Warburg and H. Wieland.

After the unexpected death of Hamburger he had to find a new job, therefore, in order to save his wife and daughter from uncertainty he sent them back to Hungary. For a short while he was working in London as visiting scientist of Medical Research Council.

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* Compiled by: Dr. Tibor Szabó–Dr. Andor Zallár.

The invitation of F. G. Hopkins to Cambridge found him at the verge of desperation and distress. There he was working on a Rockefeller fellowship from 1926 to 1930. From different plants and animal adrenal gland he isolated Vitamin C, named hexuronic acid at that time. To provide larger amounts of that substance for his experiments, he spent one year at Mayo Clinic of Rochester (USA) upon the invitation of professor E. C. Kendall (1926—27). There he managed to isolate 25 g hexauronic acid from the material obtained from the huge butcheries there. He took the substance back to Cambridge where the degree of doctor in chemistry was conferred on him in 1927.

In the meantime the Medical Faculty of Ferencz József University of Szeged, upon the recommendation of Kunó Klebesberg Minister of Cultural Affairs, decided offer professorship to Albert Szent-Györgyi in May 25, 1928. The Minister of Cultural Affairs assigned him professor of Department of Medical Chemistry with the decree No 73519/1928 V. K. During his first visit to Szeged Albert Szent-Györgyi took his oath of office on September 28, 1929 then returned to Cambridge for two years leave of absence, during which professor Béla Issekutz acted as his proxy.

On September 26, 1930 Szent-Györgyi took his university chair after all and moved to Szeged with his family. The young 37-year-old scientist of international note was accepted in Szeged with high expectation and appreciation. As soon as 1931 he became the president of the Research Committee of Natural Sciences and received several invitations to deliver lectures abroad.

He continued his world famous studies on hexuronic acid started in Groningen and continued in Cambridge. In November of 1931 it was proved that the substance called ascorbic acid by then, is identical with Vitamin C. In his lecture "Vitamin C, Adrenalin and Adrenal Gland" delivered at the meeting of Royal Medical Society of Budapest, held on March 18, 1932 he announced: "It is the first time we state in public, that hexuronic acid (ascorbic acid) and Vitamin C are identical". The announcement confirming the priority was then published in Orvosképzés (Hung.) (March, 1932) and Orvosi Hetilap (Hung.) (March 26, 1932). Paper of C. G. King and W. A. Waugh was published in Science (April 1, 1932), while Szent-Györgyi published his paper in Nature (April 16, 1932).

Fortunately Szent-Györgyi found large amounts of Vitamin C in the characteristic product of Szeged region, the paprika. Thus within a short time he managed to isolate three-and-a half kg crystalline substance at a relatively low cost. True to his personality, he immediately distributed it to all his research colleagues studying the same subject. As a new product of the Canning Factory of Szeged, a paprika pulp the Vitaprix appeared in market, which later was the basis of a new Vitamin.

Szent-Györgyi together with István Rusznyák professor in internal medicine isolated from paprika a substance belonging to flavonoids, which arrests the increased permeability of blood vessel walls characteristic of certain type of hemophilic diseases. Regarding the impact of the substance on permeability of walls of blood vessels, it was called Vitamin P.

Szent-Györgyi's reputation was indicated by the numerous international invitations and acknowledgements. He was member of Societé Philomatique of Paris and the Karl-Ludwig Academy of Halle, invited professor of the Harvard University of Boston, member of the Societé de Biologie of Paris, the Biologische Gesellschaft, Duodecim Society of Finland and Yugoslavian Medical Society and was acknowledged with several honors and decorations, among the others with Corvin wreath

and chain in Hungary. From May 16, 1935 he was corresponding member and from May 6, 1938 full member of the Hungarian Academy of Sciences.

On October 28, 1937 the Karolinska Institute of Stockholm awarded the medical Nobel Prize to Albert Szent-Györgyi "for his discoveries in biological oxidations with special regard to Vitamin C and Fumaric acid catalysis". The scientific acknowledgement bringing our country among Nobel prize winner nations initiated a series of celebrations. On December 1, he was honoured as freeman of Szeged, and "Honoris causa" doctor of Ferencz József University of Szeged on April 7, 1938.

He delivered numerous lectures both in Hungary and abroad (Sweden, England, France, USA), was honoured with several decorations ("Honoris causa" doctor of Sorbonne of Paris, medal of the Yugoslavian Saint Sava order, 2nd Cross of Lipot the 2nd in Belgium, membership of Hungarian Upper House). In September—October 1938 he had a lecture tour in the USA from where he returned without his wife. His daughter continued her studies first in Cambridge then in Switzerland.

Albert Szent-Györgyi had a significant role in the reform of medical training as university lecturer as well, he fought for the existence of medical faculty in Szeged. As dean and prodean he invested great effort in developing medical training and research as well as in democratization of the university. He had particularly important role in 1940—1941 when the Ferencz József University moved back to Kolozsvár and he became the Rector of Miklós Horthy University in Szeged. His efforts to establish a modern democratic atmosphere at the university and a democratic youth organization, were temporarily successful in that serious political period. His suggestions for reforming secondary and university training were audaciously pointing forward.

With the intention of a permanent stay he bought a cottage in New Szeged in 1941, married Márta Borbíró and called his daughter back from Switzerland.

During his research work he gathered a number of enthusiastic talented researchers around himself (Ilona Banga, Tamás Erdős, Mihály Gerendás, Kálmán Laki, Brunó F. Straub, Ferenc Guba), and with them he got into the forefront of international biochemical research through clarifying the role of actomyosin and ATP. Results of that research work was reviewed in the Studies from the Institute of Medical Chemistry (*Vol. of 1942*) in joint publication of Ilona Banga and Albert Szent-Györgyi. Applying the method suggested by O. H. Warburg they studied the oxygen uptake of muscle tissues. Without his discoveries on tissue respiration H. A. Krebs could not have discovered citrate cycle, which after all has been called Szent-Györgyi — Krebs cycle.

He received invitations for lecturing from all over the world. He became "Honoris causa" doctor of University of Padova and University of Lausanne. In his own country, however, he became persecuted. From 1941 on he was increasingly attacked for his progressive ideas by the right wing press. An antifascist movement bearing his name started acting in 1942 under his leadership. He negotiated with the British about Hungary's break away from the war. Hitler demanded his extradition. He had to find shelter in order to save his life. In that critical time he reviewed his results in studies on muscle. The review entitled "Studies on Muscle" was published in 1945.

Albert Szent-Györgyi did not rely upon the Hungarian publication, so he sent a copy of the manuscript to Stockholm, which appeared as a supplement of Acta Physiologica Scandinavica in 1945. On the cover of the supplement it can be read that Albert Szent-Györgyi was granted with the citizenship of Sweden.

On February 9, 1945 he visited Szeged again but from April 27 he was appointed Professor of Biochemistry in the Medical School of University of Budapest. In 1945 he was the honorary chairman of the Society of National Aid which was to fight against the post-war social misery. As elected president of the National Council for Public Education he was working on democratising the educational system. Together with Lajos Zilahy, the writer he was co-president of Hungarian-Soviet Cultural Society, and full president of the Academy of Natural Sciences. In 1946 he was member of the Presidium of Movement for establishing Popular Colleges, and a promoter of the movement of "Science for workers and workers for science". He was together with Zoltán Kodály vice president of the Hungarian Academy of Sciences reorganized on July 28, 1946 and patron of the movement organizing popular libraries in 1947.

For his activities in the antifascist movement he got the silver medal of Hungarian Liberty Order and the Kossuth Prize together with his two former co-workers Kálmán Laki and Bruno F. Straub on March 15, 1948.

That time he was in the USA but he did not return since it became obvious that the break between the allied antifascist powers of the World War II was final. Sometimes he had been warned by hints indicating the atmosphere of mistrust. The arrest of his friend and comrade in antifascist resistance and intellectual restoration confirmed his decision. He did not return but stayed in the USA.

From 1948 he continued his studies on biochemistry of muscle having started in Szeged as the director of the Institute for Muscle Research of the Laboratory of Marine Biology. His interest was increasingly focussed at the submolecular life processes founding thereby, as later disclosed, two new fields of sciences, the submolecular biology and bioenergetics. His book entitled "Bioenergetics" published in 1957 is a landmark in science.

In 1954 he was awarded with the Albert Lasker prize of the American Cardiological Society and obtained American citizenship in 1955.

In 1960 he started to study thymus so as to get better knowledge in regulation of cell division. That led him to cancer research having been prompted also by personal initiatives: two of his dearests, his second wife and daughter died of cancer leaving him and his three grandchildren behind.

Discovery of atom- and hydrogen bombs threatened the world with a new war in the sixties. Several American scientists with Albert Szent-Györgyi among them protested against the Vietnam war in books, articles and personal communications. Albert Szent-Györgyi proclaimed his Hymn for the Peace on a record and sent it all the leading politicians of the world. His trilogy summing up his political, social and scientific views was published in sequence: The crazy ape (1970), What next?! (1971), The living state. With observation on cancer. (1972). Governmental support of his research was first reduced then stopped which he protested in public. To support his research in 1975, a wealthy copule Franklin and Tamara Salisbury established the National Foundation for Cancer Research. The "Laboratory Free-of-Walls" became a system of international exchange of scientific information from 14 countries.

In 1976 he married Marcia.

From 1948 the Hungarian socialist system showed a reproaching then concealing behavior towards Szent-Györgyi. A change occured later during the political struggle of Szent-Györgyi and the international circumstances. "Contemplations of a biologist" was published in Hungarian in 1970, and on December 25 of the same year he was on the programme of "Our Mother Land" on the Hungarian Radio. After that a series of his articles and books were published in Hungarian.

He visited Hungary after two-and-a-half decade on October 7, 1973. He was

conferred the "Honoris causa" doctor's degree on October 12 at the University of Medical Sciences of Szeged and honorable member of World Society of Hungarians on October 16 of the same year.

Outstanding scientists and friends greeted the 90-year-old scientist decorated with the Rubins decorated Order of the Hungarian People' Republic.

He died on October 22, 1986 at age of 93, and was buried on October 26 in Woods Hole close friends being present only.

On December 10, 1987 — on the 50th anniversary of his Nobel Prize Award — the Medical University of Szeged took the name of its used to be Dean and Rector Albert Szent-Györgyi, and unveiled his bust in the Pantheon of immortals of Nation next to the door of his Department in Dom square.

ESSAYS AND SCIENTIFIC PAPERS OF ALBERT SZENT-GYÖRGYI*

1912

1. SZENT-GYÖRGYI, ALBERT
   Az emberbőr ipari feldolgozása.
   [Industrial utilization of human skin.]
   Term.-Tud. Közl. (Hung.) 44; 553, 403, 1912.

2. SZENT-GYÖRGYI, ALBERT
   A lélekzőfelszín nagysága az ember és az emlős állatok tüdejében.
   [Extension of respiratory surface in lungs of human and mammals.]
   Term.-Tud. Közl. (Hung.) 44; 551, 338–339, 1912.

1913

3. SZENT-GYÖRGYI, ALBERT
   A rovarok hallása.
   [Hearing of insects.]
   Term.-Tud. Közl. (Hung.) 45; 333–334, 1913.

4. SZENT-GYÖRGYI, ALBERT
   A végbél és a pars analis recti mikroskopi szerkezetéről.
   [Microscopic structure of rectum and pars analis recti.]
   Matemat. Természettud. Ért. (Hung.) 748–754, 1913.

1914

5. SZENT-GYÖRGYI, ALBERT
   Az állatok fényérzéke.
   [Light perception of animals.]
   Term.-Tud. Közl. (Hung.) 46; 263–267, 1914.

6. SZENT-GYÖRGYI, ALBERT
   A kalciumklorid védő hatása a szervezetre.
   [Protective effect of calcium-chloride in the organism.]
   Term.-Tud. Közl. (Hung.) 46; 355–356, 1914.

7. SZENT-GYÖRGYI, ALBERT
   Szokatlan termékenység.
   [Unusual fertility.]
   Term.-Tud. Közl. (Hung.) 46; 602, 431–432, 1914.

* Compiled by: Dr. Andor Zallár and Mrs. Perczel Ildikó Zallár.

1916

8. SZENT-GYÖRGYI, ALBERT
Vizsgálatok az üvegtest szerkezetéről.
[Studies on the structure of vitreous body.]
Matemat. Természettud. Ért. (Hung.) 34; 623—640, 1916.

1917

9. SZENT-GYÖRGYI, ALBERT
Untersuchungen über den Bau des Glaskörpers des Menschen.
Arch. Mikr. Anat. 89; 1, 324—386, Tafel: XX. 1917.

1919

10. SZENT-GYÖRGYI, ALBERT
Tudomány és szocializmus.
[Science and socialism.]
Esztergomi Népszava, (Hung.) 2; 49, 1, 1919.

1920

11. MICHAELIS, L[EONOR]—SZENT-GYÖRGYI, ALBERT
Der Einfluss der Salze auf das Fällungsoptimum des Caseins.
Biochem. Z. 103; 178—184, 1920.

1921

12. STORM, VAN LEEUWEN W.—SZENT-GYÖRGYI, A[LBERT]
On the influence of colloids on the action of non-colloidal drugs. 3.
J. Pharmacol. Exp. Ther. 18; 257—269, 1921.

13. STORM, VAN LEEUWEN W.—SZENT-GYÖRGYI, A[LBERT]
On the influence of colloids on the action of non-colloidal drugs. 4.
J. Pharmacol. Exp. Ther. 18; 271—291, 1921.

1922

14. STORM, VAN LEEUWEN W.—SZENT-GYÖRGYI A[LBERT]
On the influence of colloids on the action of non-colloidal drugs. 5. A further analysis of the augmentor effect of lecithin on the action of pilocarpine.
J. Pharmacol. Exp. Ther. 20; 1—16, 1922.

15. STORM, VAN LEEUWEN W.—SZENT-GYÖRGYI, A[LBERT]
On scopolamine-morphine narcosis.
J. Pharmacol. Exp. Ther. 18; 449—454, 1922.

1923

16. BRINKMAN, R.—SZENT-GYÖRGYI, A[LBERT]
Contraction of a drop of water by change of reaction.
J. Physiol. (Lond.) 57; 83—84, 1923.

17. BRINKMAN, R.—SZENT-GYÖRGYI, A[LBERT]
The reversion of haemolysis.
J. Physiol. (Lond.) 58; 204—208, 1923.

18. STORM, VAN LEEUWEN, W.—SZENT-GYÖRGYI, A[LBERT]
On the biological significance of lipoids the action of kephalin and lecithin.
J. Pharmacol. Exp. Ther. 21; 85—98, 1923.

1924

19. SZENT-GYÖRGYI, A[LBERT]
Über den Mechanismus der Succin- und Paraphenylendiaminoxydation. Ein Beitrag zur Theorie der Zellatmung.
Biochem. Z. 150; 195—210, 1924.

20. SZENT-GYÖRGYI, A[LBERT]
Studien über die biologische Oxydation. 1. Mitt. Über die Sauerstoffaufnahme des Systems Linolensäure-SH-Gruppe.
Biochem. Z. 146; 245—253, 1924.

21. SZENT-GYÖRGYI, A[LBERT]
Studien über die biologische Oxydation. 2. Mitt. Über den Mechanismus und die Bedeutung der SH-Katalyse.
Biochem. Z. 146; 254—258, 1924.

22. SZENT-GYÖRGYI, A[LBERT]
Studien Über die biologische Oxydation. 3. Mitt. Über das Oxyd der SH-Gruppe und über die Oxydation durch Äthylperoxyd.
Biochem. Z. 149; 188—190, 1924.

1925

23. HAMBURGER, R. J.—SZENT-GYÖRGYI, A[LBERT]
Über den Einfluss der Sauerstoffspannung auf den biologischen Oxydationsprozess.
Biochem. Z. 157; 298—302, 1925.

24. SZENT-GYÖRGYI, A[LBERT]
Zellatmung. 2. Mitt. Der Oxydationsmechanismus der Milchsäure.
Biochem. Z. 157; 50—66, 1925.

25. SZENT-GYÖRGYI, A[LBERT]
Zellatmung. 3. Mitt. Reaktivierungsversuch mit künstlichen Kofermenten.
Biochem. Z. 157; 67—84, 1925.

26. SZENT-GYÖRGYI, A[LBERT]
Zellatmung. 4. Mitt. Über den Oxydationsmechanismus der Kartoffeln.
Biochem. Z. 162; 399—412, 1925.

1926

27. SZENT-GYÖRGYI, A[LBERT]
Über die Wirkungsweise des Schardingerschen Ferments.
Biochem. Z. 173; 275–278, 1926.

28. SZENT-GYÖRGYI, ALBERT
Vizsgálatok a mellékvese kéregállományának működéséről és a biológiai oxydatiók mechanismusáról.
[Experiments concerning the function of adrenal cortex and the mechanism of biological oxidations.]
Magy. Orv. Arch. (Hung.) 28; 138–143, 1927.

29. SZENT-GYÖRGYI, A[LBERT]
The chemistry of the adrenal cortex.
Nature (Lond.) 119; 782–783, 1927.

30. SZENT-GYÖRGYI, A[LBERT]
Zellatmung. 5. Mitt. Über den Oxydationsmechanismus einiger Pflanzen.
Biochem. Z. 180; 425–432, 1927.

31. SZENT-GYÖRGYI, A[LBERT]
Zellatmung. 6. Mitt. Zur Funktion der Nebennierenrinde und über die Substanz C XII.
Biochem. Z. 180; 433–437, 1927.

1928

32. SZENT-GYÖRGYI, A[LBERT]
Observations on the function of peroxidase systems and the chemistry of the adrenal cortex. Description of a new carbohydrate derivative.
Biochem. J. 22; 1387–1409, 1928.

1929

33. DRURY, A. N.–SZENT-GYÖRGYI, A[LBERT]
The physiological activity of adenine compounds with especial reference to their action upon the mammalian heart.
J. Physiol. (Lond.) 68; 213–237, 1929/1930.

34. FLOREY, H.–SZENT-GYÖRGYI, A[LBERT]–FLOREY, M. E.
Methods for testing for the presence of adrenal cortex hormone.
J. Physiol. (Lond.) 67; 343–348, 1929.

35. SZENT-GYÖRGYI, ALBERT–DRURY, A. N.
The influence upon the heart of substances related to nucleic acid.
J. Physiol. 67; XXV, 1929.

36. SZENT-GYÖRGYI, A[LBERT]
The effect of adenine compounds on the heart.
Proc. Mayo Clin. 4; 313, 1929.

1930

37. SZENT-GYÖRGYI, ALBERT
The action of arsenite on tissue respiration.
Biochem. J. 24; 1723—1727, 1930.

38. SZENT-GYÖRGYI, ALBERT
Az iskolai ifjúság testnevelése.
[Physical training of students.]
Testnevelés, (Hung.) 3; 928—933, 1930.

39. SZENT-GYÖRGYI, ALBERT
On the mechanism of biological oxidation and the function of the suprarenal gland.
Science, 72; 125—126, 1930.

1931

40. AMBRUS, P[ÁL]—BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Beiträge zur Methodik der Messung des Sauerstoffverbrauchs, des Respirationsquotienten und der Methylenblaureduktion der Gewebe und der Hefe.
Biochem. Z. 240; 473—477, 1931.

41. BANGA, I[LONA]—SCHNEIDER, L[AJOS]—SZENT-GYÖRGYI, A[LBERT]
Über die Bedeutung der Milchsäure für die Atmung des zerkleinerten Herzmuskelgewebes.
Biochem. Z. 240; 478—479, 1931.

42. BANGA, I[LONA]—SCHNEIDER, L[AJOS]—SZENT-GYÖRGYI, A[LBERT]
Über den Einfluss der arsenigen Säure auf die Gewebsatmung.
Biochem. Z. 240; 462—472, 1931.

43. BANGA, I[LONA]—SCHNEIDER, L[AJOS]—SZENT-GYÖRGYI, A[LBERT]
Über den Einfluss der Blausäure auf die Gewebsatmung.
Biochem. Z. 240; 454—461, 1931.

44. SZENT-GYÖRGYI, A[LBERT]
Chemical nature of the tigroid.
Nature (Lond.) 128; 761, 1931.

45. SZENT-GYÖRGYI, A[LBERT]
On the function of hexuronic acid in the respiration of the cabbage leaf.
J. Biol. Chem. 90; 385—393, 1931.

46. SZENT-GYÖRGYI, A[LBERT]
A mellékvese kérgének működése és biológiai oxydatiók.
[The function of adrenal cortex and biological oxidations.]
Orvosképzés, (Hung.) 21; 248—250, 1931.

47. SZENT-GYÖRGYI, A[LBERT]—VIETORISZ, K[ÁLMÁN]
Bemerkungen über die Funktion und Bedeutung der Polyphenoloxydase der Kartoffeln.
Biochem. Z. 233; 236—239, 1931.

48. VIETORISZ, K[ÁLMÁN]—SZENT-GYÖRGYI, A[LBERT]
Über die biochemischen Leistungen zerkleinerter normaler und maligner Gewebe nach ihrer Filtration.
Biochem. Z. 240; 480—487, 1931.

1932

49. ANNAU, E[RNŐ]—HUSZÁK, ST[EVE]—SVIRBELY, J[OSEPH] L[OUIS]—SZENT-GYÖRGYI, A[LBERT]
The function of the adrenal medulla.
J. Physiol. (Lond.) 76; 181—186, 1932.

50. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Über Atmungs-Co-Ferment und Adenylpyrophosphorsäure.
Biochem. Z. 247; 216—217, 1932.

51. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]—VARGHA, L.
Über das Co-Ferment der Milchsäureoxydation.
Hoppe Seyler Z. Physiol. Chem. 209; 228—235, 1932.

52. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Über Co-Fermente, Wasserstoffdonatoren und Arsenvergiftung der Zellatmung.
Biochem. Z. 246; 203—214, 1932.

53. SVIRBELY, JOSEPH LOUIS—SZENT-GYÖRGYI, ALBERT
The chemical nature of Vitamin C.
Biochem. J. 26; 865—870, 1932.

54. SVIRBELY, J[OSEPH] L[OUIS]—SZENT-GYÖRGYI, A[LBERT]
Function of the adrenal medulla.
Nature (Lond.) 129; 541—542, 1932.

55. SVIRBELY, J[OSEPH] L[OUIS]—SZENT-GYÖRGYI, A[LBERT]
Hexuronic acid as the antiscorbutic factor. [1st letter]
Nature (Lond.) 129; 576, 1932.

56. SVIRBELY, J[OSEPH] L[OUIS]—SZENT-GYÖRGYI, A[LBERT]
Hexuronic acid as the antiscorbutic factor. [2nd letter]
Nature (Lond.) 129; 690, 1932.

57. SZENT-GYÖRGYI, ALBERT
C-Vitamin, adrenalin és mellékvese.
[Vitamin C, adrenalin and the adrenal gland.]
Orvosképzés, (Hung.) 22; 415—420, 1932.

58. SZENT-GYÖRGYI, ALBERT
Az orvosképzés reformja.
[Reform in the training of medical students.]
Orvosképzés, (Hung.) 22; 690—691, 1932.

59. SZENT-GYÖRGYI, A[LBERT]
Über die chemische natur der Nisslschen Granula.
A Magyar Biológiai Kutató Intézet Munkái. Arbeiten des Ungarischen Biologischen Forschungsinstitutes. 5; 177—178, 1932.

60. SZENT-GYÖRGYI, A[LBERT]
Hexuronic acid as the antiscorbutic factor.
Nature (Lond.) 129; 943, 1932.

61. SZENT-GYÖRGYI, A[LBERT]
Újabb vizsgálatok a mellékvese működéséről. [Kivonat]
[Further examinations on adrenal funkction. [Abstract]]
Orv. Hetil. (Hung.) 76; 259, 1932.

62. SZENT-GYÖRGYI, A[LBERT]
Újabb vizsgálatok a mellékvese működéséről. [Kivonat]
[Further examinations on adrenal function. [Abstract]]
Orv. Hetil. (Hung.) 76; 363—364, 1932.

63. SZENT-GYÖRGYI, A[LBERT]
Vitamin C, Adrenalin and Nebenniere.
Dtsch. Med. Wschr. 58; 852—854, 1932.

64. SZENT-GYÖRGYI, A[LBERT]
Vitamina C, adrenalina y cápsulas suprarrenales.
Siglo Méd. 89; 657—658, 1932.

1933

65. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Über das Co-Ferment der Milchsäureoxydation.
Hoppe—Seylers Z. Physiol. Chem. 217; 39—43, 1933.

66. BANGA, I[LONA]—LAKI, K[ÁLMÁN]—SZENT-GYÖRGYI, A[LBERT]
Nachtrag zur Arbeit über die Oxydation der Milchsäure und der β-Oxybuttersäure durch den Herzmuskel.
Hoppe—Seylers Z. Physiol. Chem. 220; 278, 1933.

67. BANGA, I[LONA]—LAKI, K[ÁLMÁN]—SZENT-GYÖRGYI, A[LBERT]
Über die Oxydation der Milchsäure und der β-Oxybuttersäure durch den Herzmuskel.
Hoppe—Seylers Z. Physiol. Chem. 217; 43—51, 1933.

68. SVIRBELY, JOSEPH LOUIS—SZENT-GYÖRGYI, ALBERT
The chemical nature of Vitamin C.
Biochem. J. 27; 279—285, 1933.

69. SZENT-GYÖRGYI, ALBERT
A "C"-vitamin orvosi jelentősége.
[Medical importance of Vitamin "C".]
Orv. Gyak. Kérd. (Hung.) 6; 201—202, 1933.

70. SZENT-GYÖRGYI, ALBERT
Hogyan fedeztem fel a C-vitamint.
[How did I discover Vitamin C?]
Pesti Napló, (Hung.) 288, 7, dec. 20. 1933.

71. SZENT-GYÖRGYI, ALBERT
Hogyan fedeztem fel a C-vitamint?
[How did I discover Vitamin C?]
Szegedi Friss Újság, (Hung.) 7, dec. 24. 1933.

72. SZENT-GYÖRGYI, A[LBERT]
Chemical and biological effects of ultra-sonic radiation.
Nature (Lond.) 131; 278, 1933.

73. SZENT-GYÖRGYI, A[LBERT]
Die freie Energie der Milchsäureoxydation. Bemerkungen über Massstäbe biologischer Ox-Redoxpotentiale.
Hoppe—Seylers Z. Physiol. Chem. 217; 51—53, 1933.

74. SZENT-GYÖRGYI, A[LBERT]
Identification of Vitamin C.
Nature (Lond.) 131; 225—226, 1933.

75. SZENT-GYÖRGYI, A[LBERT]
L'acide ascorbique (Vitamin C).
Bull. Soc. Chim. Biol. (Paris) 15; 694—705, 1933.

76. SZENT-GYÖRGYI, A[LBERT]
Vizsgálatok a C-vitaminról. [Kivonat]
[Studies on Vitamin C.] [Abstract]
Orv. Hetil. (Hung.) 77; 1056, 1933.

77. SZENT-GYÖRGYI, A[LBERT]—HAWORTH, W[ALTER] N[ORMAN]
Hexuronic acid (ascorbic acid) as the-antiscorbutic factor.
Nature (Lond.) 131; 24, 1933.

1934

78. BALÓ, JÓZSEF—SZENT-GYÖRGYI, A[LBERT]
Eljárás a pajzsmirigy hatóanyagainak mérgező hatását ellensúlyozó anyagot tartalmazó pankreasz-készítmény előállítására. [Szabadalmi leírás]
[Pancreas preparation containing agents which neutralize the toxic influence of the substances of the thyroid gland.] [Patent]
Hung., 107882, 1—2, 2. Jan. 1934.

79. BANGA, I[LONA]—SZENT-GYÖRGYI, ALBERT
The large scale preparation of ascorbic acid from Hungarian pepper (Capsicum annuum).
Biochem. J. 28; 1625—1628, 1934.

80. GÖZSY, B[ÉLA]—SZENT-GYÖRGYI, A[LBERT]
Über den Mechanismus der Hauptatmung des Taubenbrustmuskels.
Hoppe—Seylers Z. Physiol. Chem. 224; 1—10, 1934.

81. SZENT-GYÖRGYI, ALBERT
A paprika vitaminjáról.
[About the Vitamin of the paprika.]
A magyarországi Rotary Clubok szegedi összejövetelén tartott előadások. Szeged, 1934. május 21. [Lectures delivered at the meeting of the Hungarian Rotary Clubs in Szeged. 21, May, 1934.]
Szeged, 1934. Szegedi új Nemzedék Lapvállalat R.T. 32—34. p.

82. SZENT-GYÖRGYI, ALBERT
A vitaminok és a paprika.
[Vitamins and the paprika.]
Term.-Tud. Közl. (Hung.) 66; 401—405, 1934.

83. SZENT-GYÖRGYI, ALBERT
"Vitamin C."
Orvosképzés, (Hung.) 24; 12—15, 1934.

84. SZENT-GYÖRGYI, A[LBERT]
Eine Farbenreaktion der Ascorbinsäure.
Hoppe—Seylers Z. Physiol. Chem. 225; 168, 1934.

85. SZENT-GYÖRGYI, A[LBERT]
Die medizinische und biologische Bedeutung des Vitamins C.
Verh. Dtsch. Ges. Inn. Med. 46; 426—435, 1934.

86. SZENT-GYÖRGYI, A[LBERT]
Die medizinische und biologische Bedeutung des Vitamin C.
Verh. Dtsch. Ges. Verdau.-u- Stoffwechselkr. 12; 49—57, 1934.

87. SZENT-GYÖRGYI, A[LBERT]
Non enzymic catalysts of cellular oxidation.
Arch. Exp. Zellforsch. 15; 29—39, 1934.

88. SZENT-GYÖRGYI, A[LBERT]
Vitamine und Ernährung. Die medizinische Bedeutung des Vitamins C.
Dtsch. Med. Wschr. 60; 556—557, 1934.

1935

89. ANNAU, E[RNŐ]—BANGA, I[LONA]—GÖZSY, B[ÉLA]—HUSZÁK, ST[EVE]—LAKI, K[ÁLMÁN]—STRAUB, F. B[RUNÓ]—SZENT-GYÖRGYI, A[LBERT]
Über die Bedeutung der Fumarsäure für die tierische Gewebsatmung.
Hoppe—Seylers Z. Physiol. Chem. 236; 1—68, 1935.

90. SZENT-GYÖRGYI, ALBERT
Az avitaminosisokról általában.
[On avitaminoses in general.]
Orvosképzés, (Hung.) 25; 613—618, 1935.

91. SZENT-GYÖRGYI, A[LBERT]
Az élettan és életvegytan tanítása.
[The teaching of physiology and biochemistry.]
Orvosképzés, (Hung.) 25; Educatio medicorum. Különfüz. 63—69, 1935.

92. SZENT-GYÖRGYI, A[LBERT]
Mechanism of respiration. [Ist letter]
Nature (Lond.) 137; 305, 1935.

93. SZENT-GYÖRGYI, A[LBERT]
Mechanism of respiration. [2nd letter]
Nature (Lond.) 137; 1040, 1935.

94. ANNAU, E[RNŐ]—BANGA, I[LONA]—BLAZSÓ, A. [SÁNDOR]—BRUCKNER, V. [GYŐZŐ]—LAKI, K[ÁLMÁN]—STRAUB, F. B[RUNÓ]—SZENT-GYÖRGYI, A[LBERT]
Über die Bedeutung der Fumarsäure für die tierische Gewebsatmung. 3. Mitt.
Hoppe—Seylers Z. Physiol. Chem. 244; 105—116, 1936.

95. ARMENTANO, LAJOS—BENTSÁTH, ALADÁR—BÉRES, TIBOR—RUSZNYÁK, ISTVÁN—SZENT-GYÖRGYI, ALBERT
A flavoncsoportba tartozó anyagok befolyása a capillarisok permeabilitására. Vitamin P.
[Influence of flavonoids on permeability of capillaries. Vitamin P.]
Orv. Hetil. (Hung.) 80; 935—938, 1936.

96. ARMENTANO, L[AJOS]—BENTSÁTH, A[LADÁR]—BÉRES, T[IBOR]—RUSZNYÁK, ST[EVE]—SZENT-GYÖRGYI, A[LBERT]
Über den Einfluss von Substanzen der Flavongruppe auf die Permeabilität der Kapillaren. Vitamin P.
Dtsch. Med. Wschr. 62; 1325—1328, 1936.

97. BENTSÁTH, A[LADÁR]—RUSZNYÁK, ST[EVE]—SZENT-GYÖRGYI, A[LBERT]
Vitamin nature of flavones.
Nature (Lond.) 138; 798, 1936.

98. BRUCKNER, V. [GYŐZŐ]—SZENT-GYÖRGYI, A[LBERT]
Chemical nature of citrin.
Nature (Lond.) 138; 1057, 1936.

99. RUSZNYÁK, ST[EVE]—SZENT-GYÖRGYI, A[LBERT]
Vitamin P: Flavonols as vitamins.
Nature (Lond.) 138; 27, 1936.

100. SZENT-GYÖRGYI, ALBERT
A biológiai oxydációk mechanizmusa.
[Mechanism of biological oxidations.]
Matemat. Természettud. Ért. (Hung.) 54; 412—415, 1936.

101. SZENT-GYÖRGYI, ALBERT
Fortschritte der Vitaminforschung.
Umschau, 40: 736—737, 1936.

102. SZENT-GYÖRGYI, ALBERT
A természettudományi kutatás válsága.
[Crisis of the natural science research.]
Magyar Rotary, (Hung.) 1; 50—53, 1936.

103. SZENT-GYÖRGYI, ALBERT
A vitaminkutatás újabb haladása.
[Recent progress in vitamin research.]
Búvár, (Hung.) 2; 727—728, 1936.

104. SZENT-GYÖRGYI, ALBERT
Újabb irányzatok a vitaminok therapiás alkalmazásában.
[New trends in the therapeutical application of vitamins.]
Orvosképzés, (Hung.) 26; 670—672, 1936.

105. SZENT-GYÖRGYI, A[LBERT]
Oxydation, Fermentation, intermediärer Stoffwechsel.
Schweiz. Med. Wschr. 66; 885—888, 1936.

1937

106. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Über die Bedeutung der Fumarsäure für die tierische Gewebsatmung. 4. Mitt.
Hoppe—Seylers Z. Physiol. Chem. 245; 113—122, 1937.

107. BENTSÁTH, A[LADÁR]—RUSZNYÁK, ST[EVE]—SZENT-GYÖRGYI, A[LBERT]
Vitamin P.
Nature (Lond.) 139; 326—327, 1937.

108. BENTSÁTH, A[LADÁR]—SZENT-GYÖRGYI, A[LBERT]
Vitamin P.
Nature (Lond.) 140; 426, 1937.

109. KORÁNYI, ANDRÁS—SZENT-GYÖRGYI, ALBERT
A cukorbajosok acidosisának borostyánkősav kezelése.
[Curing acidosis of diabetics by means of succinic acid treatment.]
Orv. Hetil. (Hung.) 81; 615—618, 1937.

110. KORÁNYI, ANDREAS—SZENT-GYÖRGYI, ALBERT
Über die Bernsteinsäurebehandlung diabetischer Azidose.
Dtsch. Med. Wschr. 63; 1029—1033, 1937.

111. LAKI, K[ÁLMÁN]—STRAUB, F. B[RUNÓ]—SZENT-GYÖRGYI, A[LBERT]
Über die Atmungskatalyse durch C4-Dicarbonsäuren.
Hoppe—Seylers Z. Physiol. Chem. 247; I—II, 1937.

112. SZENT-GYÖRGYI, ALBERT
A beri-beri, a skorbut, az atta, az avitaminózis és a Rockefeller-alap. (Beszélgetés Szent-Györgyi Alberttel.)
[Beri-beri, scurvy, atta, a-vitaminosis and Rockefeller Foundation. (Interview with Albert Szent-Györgyi.)]
Új Idők, (Hung.) 63; 46, 715—716, 1937.

113. SZENT-GYÖRGYI, ALBERT
A biológiai égések mechanizmusa.
[Mechanism of biological combustion.]
Term.-Tud. Közl. (Hung.) 69; 625—635, 1937.

114. SZENT-GYÖRGYI, ALBERT
Biológiai oxydatiók, fermentatiók és vitaminok.
[Biological oxidations, fermentations and the vitamins.]
Orvosképzés, (Hung.) 27; 213—221, 1937.

115. SZENT-GYÖRGYI, ALBERT
Az első Nobel-díjas cserkész.
[The first Nobel-prize winner boy-scout.]
Magyar Cserkész, (Hung.) 19; 15, 1937.

116. SZENT-GYÖRGYI, ALBERT
Az iskolai ifjúság testnevelése.
[Physical training of students.]
Testnevelés, (Hung.) 10; 783—789, 1937.

117. SZENT-GYÖRGYI, ALBERT
Neuere Ausblicke der Vitamintherapie.
Dtsch. Med. Wschr. 63; 1789—1791, 1937.

118. SZENT-GYÖRGYI, ALBERT
Oxidation and fermentation.
Perspectives in biochemistry. Ed.: Needham, J.—Green, D. F.
Cambridge, 1937. Cambridge Univ. Pr. 165—174. p.

119. SZENT-GYÖRGYI, A[LBERT]
Über das Oxydationsystem der Peroxydasepflanzen.
Ob okislitel'noj sisteme peroksidaznyh rastenij.
Biokhimiya, (Rus.) 2; 151—153, 1937.

120. SZENT-GYÖRGYI, ALBERT
Studies on biological oxidation and some of its catalysts. (C4 dicarboxylic acids, Vitamin C and P etc.)
Budapest/Leipzig, 1937. Eggenberger/Barth, 98 p.
/Acta Litterarum Ac Scintiarum Reg. Universitatis Hung.
Francisco—Iosephinae. Sectio Medicorum. Tom. 9. Fasc. 1./

121. SZENT-GYÖRGYI, ALBERT
Természettudományi képzés és laboratóriumi munka az egyetemi oktatásban.
[Natural science training and laboratory work in university education.]
Magyar Felsőoktatás 3. köt.
Bp., 1937. (Egyetemi Ny.) 63—72. p.

122. SZENT-GYÖRGYI, A[LBERT]
Bemerkungen über Dehydrogenasen.
Hoppe—Seylers Z. Physiol. Chem. 249; 211—213, 1937.

123. SZENT-GYÖRGYI, A[LBERT]
Über das Verhältnis der Atmung zur Gärung im Muskel.
Ob otnosenii dydania k brozeniu v mysce.
Fiziol. Zh. S.S.S.R. 22; 516—518, 1937.

124. SZENT-GYÖRGYI, A[LBERT]
Sur la Vitamine P.
Bull. Acad. Méd. Roum. 2; 17—18, 1937.

125. BANGA, I[LONA]—GERENDÁS, M[IHÁLY]—LAKI, K[ÁLMÁN]—PAPP, G[ÁBOR]—PORGES, E.—STRAUB, F. B[RUNÓ]—SZENT-GYÖRGYI, A[LBERT]
Über die dehydrierende Autoxydation und die biologischen Oxydationen.
Hoppe—Seylers Z. Physiol. Chem. 254; 147—164, 1938.

126. BANGA, I[LONA]—PHILPOTT, [DELBERT] E.—SZENT-GYÖRGYI; A[LBERT]
Dioxymaleic acid oxidase.
Nature (Lond.) 142; 874, 1938.

127. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Dioxymaleinsäure-Oxydase.
Hoppe—Seylers Z. Physiol. Chem. 255; 57—60, 1938.

128. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Über die Funktion des „Aktivators" und die Natur des Donators im Taubenbrustmuskel.
Hoppe—Seylers Z. Physiol. Chem. 252; 275—282, 1938.

129. SZENT-GYÖRGYI, ALBERT
Gazdám emlékezetére.
[On the memory of my master.]
Gróf Klebelsberg Kunó emlékezete. [Remembering Kuno Klebelsberg Count.]
Bp., 1938. Egyet. Ny. 338—340. p.

130. SZENT-GYÖRGYI, ALBERT
A Nobel-díjas Szent-Györgyi Albert öregdiáktársai összejövetelén.
[The Nobel Frize winner Albert Szent-Györgyi in the company of his old school-mates.]
A Mi utunk, (Hung.) 6; 8, 9, 1938.

131. SZENT-GYÖRGYI, ALBERT
Oxydations biologiques.
Bull. Acad. Roy. Méd. Belg. 3; 462—471, 1938.

132. SZENT-GYÖRGYI, ALBERT
Les propriétes thérapeutiques des vitamines.
Presse Med. 46; 995, 1938.

133. SZENT-GYÖRGYI, A[LBERT]
On biological activity.
Scientia (Milano), 63; 16—19, 1938.

134. SZENT-GYÖRGYI, A[LBERT]
Methoden zur Herstellung von Citrin.
Hoppe—Seylers Z. Physiol. Chem. 255; 126—131, 1938.

135. SZENT-GYÖRGYI, A[LBERT]
L'oxydation biologique.
Bull. Soc. Chim. Biol. (Paris) 20; 846—858, 1938.

136. SZENT-GYÖRGYI, A[LBERT]
Propriétés physiologiques et thérapeutiques des vitamines.
Arch. Inst. Prophylactique. 10; 273—289, 1938.

137. SZENT-GYÖRGYI, A[LBERT]
Vitamine. (Vortrag)
Bericht über die Konstituirende Sitzung der internationale Akademie für die ärztliche Fortbildungswesen. Ed.: Blome, K.—Adam, C.
No. 28. 1938. 243—250. p.

1938/39

138. SZENT-GYÖRGYI, ALBERT
Biological oxidation and vitamins.
Harvey Soc. [New York] Lectures, 34; 265—279, 1938/39.

1939

139. SZENT-GYÖRGYI, ALBERT
Cell respiration.
Ber. 72A; 53—61, 1939.

140. SZENT-GYÖRGYI, ALBERT
The mechanism of biological oxidation.
Proc. Inst. Med. Chicago, 12; 418—426, 1939.

141. SZENT-GYÖRGYI, ALBERT
On oxidation, fermentation, vitamins, health and disease.
Baltimore, 1939. Williams & Wilkins, 109 p.
/The Abraham Flexner Lectures. Series number six./

142. SZENT-GYÖRGYI, ALBERT
Oxydations biologiques.
J. Pharm. Belg. 21; 1—5, 1939.

143. SZENT-GYÖRGYI, A[LBERT]
Biological oxidation and vitamins.
Bull. N. Y. Acad. Med. 15; 456—468, 1939.

144. SZENT-GYÖRGYI, A[LBERT]
Geleitwort.
Raunert, Margarete: Der Paprika. Verpflegungstechnisch und diätetisch gesehen.
Leipzig, 1939. Barth, [III]. p.

145. SZENT-GYÖRGYI, ALBERT
Process of preparing substances belonging to the flavone group. [Patent]
U.S., 2, 152, 827, 4. Apr. 1939.

146. SZENT-GYÖRGYI, A[LBERT]—BACQ, Z. M.—GOFFART, M.
A humoral transmission of muscular contraction in the presence of veratrine.
Nature (Lond.) 143; 522, 1939.

1940

147. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Struktur-proteins.
Science, 92; 514—515, 1940.

148. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Strukturproteine.
Enzymologia, 9; 111—116, 1940.

149. GERENDÁS, M[IHÁLY]—SZENT-GYÖRGYI, A[LBERT]
Beobachtungen an Myosinfäden.
Enzymologia, 9; 117—122, 1940.

150. SZENT-GYÖRGYI, ALBERT
A kísérleti természettudomány történelmi felelőssége. (Előadás a M. T. Akadémia ünnepi közülésén.)
[Historical responsibility of experimental medical science. (Lecture on the festive performance of the Hungarian Scientific Academy.)]
Budapesti Szle, (Hung.) 257; 193—198, 1940.

151. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert rectori székfoglalója.
[Rector's chair taking address of Albert Szent-Györgyi.]
Orv. Hetil. (Hung.) 84; 603—604, 1940.

152. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi rektor az egyetem hármas hivatásáról.
[Albert Szent-Györgyi on the threefold vocation of the University.]
Délmagyarország, (Hung.) 2, nov. 12. 1940.

153. SZENT-GYÖRGYI, A[LBERT]
Neuere Anschauungen in der medizinischen Anwendung der Vitamine.
Schweiz. Med. Wschr. 21; 596—597, 1940.

154. SZENT-GYÖRGYI, A[LBERT]
On protoplasmic structure and functions. (A survey.)
Enzymologia, 9; 98—110, 1940.

1941

155. SZENT-GYÖRGYI, ALBERT
Az energetikai continuum elmélete.
[Theories on continuity of energy and their biologic significance.]
Orv. Hetil. (Hung.) 85; 127—131, 1941.

156. SZENT-GYÖRGYI, A[LBERT]
The study of energy-levels in biochemistry.
Nature (Lond.) 148; 157—159, 1941.

157. SZENT-GYÖRGYI, ALBERT
A SzEI-ről.
[About the OUSZ. (Organization of Undergraduates of Szeged).]
Szegedi Híd, (Hung.) május, 1941.

158. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert professzor szabadegyetemi előadása a szegedi diákegység-mozgalomról.
[Address of Albert Szent-Györgyi on the movement of Szeged students at the 1941. session of the free university.]
Délmagyarország, (Hung.) 5, febr. 28. 1941.

159. SZENT-GYÖRGYI, ALBERT
A természettudományi oktatásról.
[About the natural science training.]
Phlogiston, (Szeged), (Hung.) 1—2, 1941.

160. SZENT-GYÖRGYI, A[LBERT]
Substances belonging to the flavonone group. [Patent]
Ger., 720, 627, 7. Aug. 1941.

161. SZENT-GYÖRGYI, A[LBERT]
Towards a new biochemistry?
Science, 93; 609—611, 1941.

162. SZENT-GYÖRGYI, [ALBERT]
Whatever a cell does.
Chron. Bot. 6; 169—171, 1941.

163. SZENT-GYÖRGYI, A[LBERT]—BANGA, I[LONA]
Adenosinetriphosphatase.
Science, 93; 158, 1941.

1942

164. BANGA, I[LONA]—ERDŐS, T[AMÁS]—GERENDÁS, M[IHÁLY]—MOMMAERTS, W. F. H. M.—STRAUB, F. B[RUNÓ]—SZENT-GYÖRGYI, A[LBERT]
Myosin and muscular contraction.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 1. (1941—42.) Ed.: Szent-Györgyi, A[lbert]
Basel/Budapest, [1942.], Karger/Gergely, 72 p.

165. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
Preparation and properties of myosin A and B.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 1. (1941—42.) Ed.: Szent-Györgyi, A[lbert]
Basel/Budapest, [1942.], Karger/Gergely, 5—15. p.

166. SZENT-GYÖRGYI, ALBERT
Contractile element of muscle.
Ber. 75B; 1868—1870, 1942.

167. SZENT-GYÖRGYI, A[LBERT]
The contraction of myosin threads.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 1. (1941—42.) Ed.: Szent-Györgyi, A[lbert]
Basel/Budapest, [1942.], Karger/Gergely, 17—26. p.

168. SZENT-GYÖRGYI, A[LBERT]
Discussion.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 1. (1941—42.) Ed.: Szent-Györgyi, A[lbert]
Basel/Budapest, [1942.], Karger/Gergely, 67—71. p.

1943

169. SZENT-GYÖRGYI, ALBERT
Bevezetés.
[Introduction.]
Az élet tudománya. [The science of life.] Ed.: Szent-Györgyi, Albert
(Bp., 1943. Új Idők Irod. Int. Rt.) 5—10. p.

170. SZENT-GYÖRGYI, ALBERT
Rektori székfoglaló. (Az egyetem ünnepélyes megnyitása 1940. nov. 11-én.)
[Inaugural address of the Rector. (Ceremonial opening of the Academic Year, 11th of November, 1940.)]
Beszámoló a Szegedi M. Kir. Horthy Miklós Tudományegyetem 1940—41. tanévi működéséről. [Report on the activities of Hungarian Royal, Miklós Horthy University of Szeged in the academic year of 1940—41.] Ed.: Szent-Györgyi, Albert
Szeged, 1943. Városi Ny. 17—21. p.

171. SZENT-GYÖRGYI, ALBERT, ed.
Az élet tudománya.
[Science of life.]
(Bp., 1943. Új Idők Irod. Int. Rt.) 368 p.

172. SZENT-GYÖRGYI, A[LBERT]
Ueber die Chemie des Muskels.
Schweiz. Med. Wschr. 24; 1217—1218, 1943.

173. SZENT-GYÖRGYI, A[LBERT]
Sur la chimie du muscle.
Bull. Soc. Chim. Biol. (Paris) 25; 242—249, 1943.

174. SZENT-GYÖRGYI, A[LBERT]
The reversibility of the contraction of myosin threads.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 2. (1942.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1943.], Karger/(Szeged Városi Ny.) 25—26. p.

175. SZENT-GYÖRGYI, A[LBERT], ed.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 2. (1942.)
Basel/Szeged, [1943.], Karger/(Szeged Városi Ny.) 72 p.

176. BANGA, I[LONA]—SZENT-GYÖRGYI, A[LBERT]
The influence of salts on the phosphatase action of myosin.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 72—75. p.

177. SZENT-GYÖRGYI, A[LBERT]
The crystallization of myosin and some of its properties and reactions.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 76—85. p.

178. SZENT-GYÖRGYI, A[LBERT]
Note on actomyosin.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 98. p.

179. SZENT-GYÖRGYI, A[LBERT]
Observations on actomyosin.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 86—92. p.

180. SZENT-GYÖRGYI, A[LBERT]
Observations on muscle extracts.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.) Ed.: Szent-Györgyi, A[lbert]
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 93—96. p.

181. SZENT-GYÖRGYI, A[LBERT], ed.
Muscular contraction, blood coagulation.
Studies from the Institute of Medical Chemistry University Szeged. Vol. 3. (1943.)
Basel/Szeged, [1944.], Karger/(Szeged Városi Ny.) 98 p.

1945

182. SZENT-GYÖRGYI, ALBERT
Nabludenia nad himiej mysc.
[Chemistry of muscle.]
Byull. Éksp. Biol. Med. (Rus.) 20; 15—19, 1945.

183. SZENT-GYÖRGYI, ALBERT
Dr. Szent-Györgyi Albert nyilatkozata moszkvai útjáról.
[Albert Szent-Györgyi's interview on his trip to Moscow.]
Délmagyarország, (Hung.) 2, júl. 7. 1945.

184. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi professzor a fasizmus rombolásáról és a kivezető útról.
[Professor Szent-Györgyi on the devastation of fascism and on the way leading out of it.]
Szabad Nép, (Hung.) 5, ápr. 1. 1945.

185. SZENT-GYÖRGYI, ALBERT
Szovjetoroszországi utazásom benyomásai.
[My impressions during my trip to the Soviet Union.]
Szabad Nép, (Hung.) 2, aug. 2. 1945.

186. SZENT-GYÖRGYI, ALBERT
A tudomány.
[Science.]
Tudomány, (Hung.) 1; 97—101, 1945.

187. SZENT-GYÖRGYI, A[LBERT]
„Az Akadémia nagymértékben felelős nemzeti katasztrófánkért." A haladó magyar tudósok reformokat és tagrevíziót követelnek.
["Academy is highly responsible for our national catastrophe" — Progressive Hungarian scientists demand reforms and revision of academy membership.]
Szabad Nép, (Hung.) 3, dec. 6. 1945.

188. SZENT-GYÖRGYI, A[LBERT]
Studies on muscle.
Acta Physiol. Scand. 9; Suppl. 25. 115, 1945.

189. SZENT-GYÖRGYI, A[LBERT]
Studies on muscle. From the Institute of Medical Chemistry, University of Szeged.
(Szeged, 1945. Szeged Városi Ny.) 128 p.

1946

190. GUBA, F[ERENC]—SZENT-GYÖRGYI, A[LBERT]
Fluochrome in muscle.
Nature (Lond.) 158; 343, 1946.

191. SZENT-GYÖRGYI, ALBERT
Beköszöntő.

191. SZENT-GYÖRGY, ALBERT
Beköszöntő.
[Opening announcement.]
Élet és Tud. (Hung.) 1; 3, 1946.

192. SZENT-GYÖRGYI, ALBERT
Egy biológus gondolatai.
[Contemplations of a biologist.]
Válasz, (Hung.) 6; 213—221, 1946.

193. SZENT-GYÖRGYI, ALBERT
Célunk.
[Our Aim.]
Zilahy, Lajos—Szent-Györgyi, Albert—Háy Gyula: A Magyar—Szovjet Művelődési Társaság ismertetése. [On the program of the Hungarian—Soviet Cultural Society.]
Bp., (1946.) (Légrádi Ny.) 4—5. p.

194. SZENT-GYÖRGYI, ALBERT
L'expérience de Szeged. Notes sur un entretien avec le professeur Albert Szent-Györgyi (Hongrie), Prix Nobel de chimie 1936.
Genéve, 1946. Genéve Univ. 46—48. p.

195. SZENT-GYÖRGYI, ALBERT
Az izommozgás mechanizmusa.
[Mechanism of muscular movement.]
Természettudomány, (Hung.) 1; 9—13, 1946.

196. SZENT-GYÖRGYI, ALBERT
Az izom problémája.
[Problem of muscles.]
Tudomány, (Hung.) 2; 2, 97—102, 1946.

197. SZENT-GYÖRGYI, ALBERT
Magyarország jövője a kultúrával áll, vagy bukik. Szent-Györgyi Albert nyílt levele a Magyar Nemzetgyűléshez.
[Future of Hungary stands or falls with the culture. Albert Szent-Györgyi's open letter to the National Assembly.]
Új Magyarország, (Hung.) 8, aug. 20. 1946.

197/a SZENT-GYÖRGYI, ALBERT
Nem Mátyás király, hanem Bolyai! A tudomány és a nevelés világa.
[Not king Mathias but Bolyai! The crisis of science and education.]
Új Magyarország, (Hung.) 1. márc. 20. 1946.

198. SZENT-GYÖRGYI, ALBERT
Természettudományos világnézet, morál és humanizmus.
[Scientific outlook, morals and humanism.]
Tudomány, (Hung.) 2; 6. 97—102, 1946.

199. SZENT-GYÖRGYI, ALBERT
Tudós és munkás szorosan fognak össze az új világ felépítésére. (Nyilatkozat a Szabad Népnek)
[Scientist and worker unify for creating a new world. (Declaration to the Szabad Nép)]
Szabad Nép, (Hung.) 4, jún. 9. 1946.

200. SZENT-GYÖRGYI, ALBERT
A tudósok helye a demokrácia oldalán van.
[Scientists should take stand on the side of people's democracy.]
A népi demokrácia útja. A Magyar Kommunista Párt 1946-ban megtartott 3. Kongresszusának jegyzőkönyve. [The way of people's democracy. Minutes of the 3rd Congress of Hungarian Communist Party held in 1946.]
Bp., 1946. Szikra, 288—289. p.

201. SZENT-GYÖRGYI, ALBERT
A tudósok helye a demokrácia oldalán van.
[Scientists should take stand on the side of people's democarcy.]
Szabad Nép, (Hung.) 4, okt. 3. 1946.

202. SZENT-GYÖRGYI, A[LBERT]
On conditions in resting muscle and the nature of exitation.
Hung. Acta Physiol. 1; 28—32, 1946.

203. SZENT-GYÖRGYI, A[LBERT]
Contraction and the chemical structure of the muscle fibril.
J. Colloid Sci. 1; 1—19, 1946.

204. SZENT-GYÖRGYI, A[LBERT]
Internal photo-electric effect and band spectra in proteins.
Nature (Lond.) 157; 875, 1946.

205. SZENT-GYÖRGYI, A[LBERT]
Medical and other patents for the use of mankind.
Nature (Lond.) 158; 94, 1946.

1947

206. BANGA, I[LONA]—GUBA, F[ERENC]—SZENT-GYÖRGYI, A[LBERT]
Nature of myosin.
Nature (Lond.) 159; 194, 1947.

207. SZENT-GYÖRGYI, ALBERT
Elnöki megnyitó.
[Opening address.]
Beszámoló művelődéspolitikánk mai helyzetéről. Az Országos Köznevelési Tanács teljes ülése, 1947. febr. 11. [Report on the actual situation of cultural policy in Hungary. Meeting of the Natural Council of Public Education.]
Bp., 1947. VKM, 3—4. p.

208. SZENT-GYÖRGYI, ALBERT
Élményeim a Szovjet természettudománnyal kapcsolatban.
[My impressions on the natural science in the Soviet Union.]
A harmincéves Szovjetunió 1917—1947. [Thirtieth Anniversary of the Soviet Union 1917—1947.]
Bp., 1947. Corvina, 164—167. p.

209. SZENT-GYÖRGYI, ALBERT
Az izom kémiai szerkezete.
[The chemical structure of muscle.]
Orvosok Lapja, (Hung.) 3; 321—327, 1947.

210. SZENT-GYÖRGYI, A[LBERT]
Chemistry of muscular contraction.
New York, 1947. Acad. Pr. 150 p.

211. SZENT-GYÖRGYI, A[LBERT]
O mysecnoj deatel'nosti. S prilozeniem stat'i avtora o strukture i funkcii protoplazmy. Perevod: Ljubimovoj, M. N.
Moszkva, 1947. Medgiz, 175. p.

212. SZENT-GYÖRGYI, A[LBERT]
Recherches sur la contraction musculaire et la distribution electronique dans les structures vivantes. La structure chimique du muscle.
Bull. Soc. Chim. Biol. (Paris) 29; 560—571, 1947.

1948

213. SZENT-GYÖRGYI, ALBERT
Újabb vizsgálatok az izom szerkezetéről és működéséről.
[New investigations on the structure and function of muscle.]
Orv. Hetil. (Hung.) 89; 34—36, 1948.

214. SZENT-GYÖRGYI, A[LBERT]
Nature of life. A study on muscle.
New York, 1948. Acad. Pr. 91 p.

1949

215. BORBÍRÓ, M[ÁRTA]—SZENT-GYÖRGYI, A[LBERT]
On the relation between tension and ATP in cross-striated muscle.
Biol. Bull. 96; 162—167, 1949.

216. ROZSA, G[EORGE]—SZENT-GYÖRGYI, A[LBERT]—WYCKOFF, RALPH, W. G.
The electron microscopy of F-actin.
Biochim. Biophys. Acta, 3; 561—569, 1949.

217. SZENT-GYÖRGYI, ALBERT
Process for the preparation of a mixture of nucleotides containing predominantly adenosintriphosphate. [Patent]
Brit., 626711, 1—2, 20. Jul. 1949.

218. SZENT-GYÖRGYI, ALBERT
Process for the preparation of a mixture of nucleotides containing predominantly adenosintriphosphate. [Patent]
U.S., 2, 472130, 130, 7. Jun. 1949.

219. SZENT-GYÖRGYI, A[LBERT]
Attacks on muscle.
Science, 110; 411—413, 1949.

220. SZENT-GYÖRGYI, A[LBERT]
Free-energy relations and contraction of actomyosin.
Biol. Bull. 96; 140—161, 1949

1950

221. MORGAN, COUNCILMAN—ROZSA, GEORGE—SZENT-GYÖRGYI, ALBERT—WYCKOFF, RALPH W. G.
Macromolecular arrangement within muscle.
Science, 111; 201—202, 1950.

222. ROZSA, G[EORGE]—MORGAN, C[OUNCILMAN]—SZENT-GYÖRGYI, A[LBERT]—WYCHOFF, R[ALPH] W. G.
The electron microscopy of myelinated nerve.
Biochim. Biophys. Acta, 6; 13—27, 1950.

223. ROZSA, G[EORGE]—SZENT-GYÖRGYI, A[LBERT]—WYCKOFF, RALPH, W. G.
The fine structure of myofibrils.
Exp. Cell. Res. 1; 194—205, 1950.

224. SZENT-GYÖRGYI, ALBERT—LAKI, KÁLMÁN—GERENDÁS, MIHÁLY
Blood clotting preparation. [Patent]
U.S., 2, 532348, 96, 5. Dec. 1950.

225. SZENT-GYÖRGYI, ALBERT—LAKI, KÁLMÁN—GERENDÁS, MIHÁLY
Process for the preparation of thrombin. [Patent]
U.S., 2, 495298, 965, 24. Jan. 1950.

226. SZENT-GYÖRGYI, A[LBERT]
Actomyosin and muscular contraction.
Biochim. Biophys. Acta, 4; 38—41, 1950.

1950—1951

227. SZENT-GYÖRGYI, A[LBERT]
Thermodynamics of muscle.
Enzymologia (Amst.) 14; 177—181, 1950—1951.

1951

228. BAY, Z[OLTÁN]—SZENT-GYÖRGYI, A[LBERT]
'Window fields' in muscle.
Nature (Lond.) 167; 482, 1951.

229. SZENT-GYÖRGYI, ALBERT
Nature of the contraction of muscle.
Nature (Lond.) 167; 380—381, 1951.

230. SZENT-GYÖRGYI, A[LBERT]
Chemistry of muscular contraction. 2nd ed.
New York, 1951. Acad. Pr. 162 p.

1952

231. HAJDU, S.—SZENT-GYÖRGYI, A[LBERT]
Action of digitalis glucosides on isolated frog heart.
Amer. J. Physiol. 168; 171—175, 1952.

232. HAJDU, S.—SZENT-GYÖRGYI, A[LBERT]
Action of DOC and serum on the frog heart.
Amer. J. Physiol. 168; 159—170, 1952.

233. SZENT-GYÖRGYI, ALBERT
Química de la contracción muscular.
[Chemistry of muscular contraction.]
Madrid, 1952. Aguilar, 196 p.

234. SZENT-GYÖRGYI, A[LBERT]
Contraction in the heart muscle fibre.
Bull. N. Y. Acad. Med. 28; 3—10, 1952.

1953

235. BAY, Z[OLTÁN]—GOODALL, M. C.—SZENT-GYÖRGYI, A[LBERT]
The transmission of excitation from the membrane to actomyosin.
Bull. Math. Biophys. 15; 1—13, 1953.

236. PHILPOTT, DELBERT E.—SZENT-GYÖRGYI, ALBERT
The series elastic component in muscle.
Biochim. Biophys. Acta, 12; 128—133, 1953.

237. SZENT-GYÖRGYI, ALBERT
Ions, function and permeability.
The mechanism of inflammation. An international symposium. Ed.: Jasmin, G.—Robert, A.
Montreal (Canada), 1953. Acta, Inc. 15—20. p.

238. SZENT-GYÖRGYI, ALBERT
Ions, function and permeability.
Rev. Canad. Biol. 12; 117—118, 1953.

239. SZENT-GYÖRGYI, A[LBERT]
Chemical physiology of contraction in body and heart muscle.
New York, 1953. Acad. Pr. 135 p.

1954

240. HAJDU, S.—SZENT-GYÖRGYI, A[LBERT]
The action of nitro and halo compounds on the muscle membrane.
Enzymologia, 16; 392—395, 1954.

241. MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
The quenching of fluorescence by flavonoids and other substances.
Enzymologia, 16; 384—391, 1954.

1955

242. LOEWENSTEIN, W. R.—SZENT-GYÖRGYI, ALBERT
The effect of dinitronaphtol on the membrane potential of the skeletal muscle fibre.
J. Cell. Comp. Physiol. 46; 345—347, 1955.

243. MCLAUGHLIN, JANE [A.]—SCHIFMAN, GERARD—SZENT-GYÖRGYI, ALBERT
Inosine phosphates in muscle.
Biochim. Biophys. Acta, 17; 160, 1955.

244. MIDDLEBROOK, MAVIS—SZENT-GYÖRGYI, ALBERT
The action of iodide on oxidative phosphorylation.
Biochim. Biophys. Acta, 18; 407—410, 1955.

245. PHILPOTT, DELBERT E.—SZENT-GYÖRGYI, A[LBERT]
Observations on the electron microscopic structure of insect muscle.
Biochim. Biophys. Acta, 18; 177—182, 1955.

246. SZENT-GYÖRGYI, ALBERT
Fluorescent globulin of the lens.
Biochim. Biophys. Acta, 16; 167, 1955.

247. SZENT-GYÖRGYI, ALBERT
La natura della vita e la chimica della contrazione muscolare. Trad: de Franciscis, Pietro
[The nature of life. — Chemistry of muscular contraction.]
Torino, 1955. Einaudi, 215 p.
/Biblioteca di cultura scientifica 41./

248. SZENT-GYÖRGYI, ALBERT
Perspectives for the bioflavonoids.
Ann. N. Y. Acad. Sci. 61; 732—735, 1955.

249. SZENT-GYÖRGYI, ANDREW G.—MAZIA, DANIEL—SZENT-GYÖRGYI, ALBERT
On the nature of the cross-striation of body muscle.
Biochim. Biophys. Acta, 16; 339—342, 1955.

1956

250. SZENT-GYÖRGYI, ALBERT
Bioenergetics.
Science, 124; 873—875, 1956.

251. SZENT-GYÖRGYI, ALBERT
General views on the chemistry of muscle contraction.
Cardiologica, 6; 6—51, 1956.

1957

252. BAIRD, SPENCER L., JR.—KARREMAN, GEORGE—MUELLER, HELMUT—SZENT-GYÖRGYI, ALBERT
Ionic semipermeability as a bulk property.
Proc. Natl. Acad. Sci. U.S.A. 43; 705—708, 1957.

253. KARREMAN, GEORGE—MUELLER, HELMUT—SZENT-GYÖRGYI, ALBERT
Competitive binding of ATP and acridine orange by muscle.
Proc. Natl. Acad. Sci. U.S.A. 43; 373—379, 1957.

254. MUELLER, HELMUT—SZENT-GYÖRGYI, ALBERT
Wet freeze-drying of muscle.
Science, 126; 970—971, 1957.

255. STEELE, RICHARD H.—SZENT-GYÖRGYI, ALBERT
On excitation of biological substances.
Proc. Natl. Acad. Sci. U.S.A. 43; 477—491, 1957.

256. SZENT-GYÖRGYI, ALBERT
Bioenergetics.
New York, 1957. Acad. Pr. 143 p.

257. SZENT-GYÖRGYI, ALBERT
Detection of chromatographic spots in paper.
Science, 126; 751, 1957.

258. SZENT-GYÖRGYI, ALBERT
Excitations and polymerization.
Proc. Natl. Acad. Sci. U.S.A. 43; 151—152, 1957.

259. SZENT-GYÖRGYI, ALBERT
Remarkes on proteins: summarizing statements.
J. Cell. Comp. Physiol. 49; Suppl. 1. 311—316, 1957.

1958

260. ISENBERG, IRVIN—SZENT-GYÖRGYI, ALBERT
On the emission of tryptophan.
Proc. Natl. Acad. Sci. U.S.A. 44; 519—521, 1958.

261. ISENBERG, IRVIN—SZENT-GYÖRGYI, ALBERT
Free radical formation in riboflavin complexes.
Proc. Natl. Acad. Sci. U.S.A. 44; 857—862, 1958.

262. KARREMAN, GEORGE—STEELE, RICHARD H.—SZENT-GYÖRGYI, ALBERT
On resonance transfer of excitation energy between aromatic aminoacids in proteins.
Proc. Natl. Acad. Sci. U.S.A. 44; 140—143, 1958.

263. STEELE, RICHARD H.—SZENT-GYÖRGYI, ALBERT
Studies on the excited states of proteins.
Proc. Natl. Acad. Sci. U.S.A. 44; 540—545, 1958.

264. SZENT-GYÖRGYI, ALBERT
Muscle research.
Science, 128; 699—702, 1958.

265. SZENT-GYÖRGYI, ALBERT
Sur le transfert d'energie dans les systemes biologiques.
J. Chim. Phys. (Paris) 55; 916—918, 1958.

1959

266. ISENBERG, IRVIN—SZENT-GYÖRGYI, ALBERT
On charge transfer complexes between substances of biochemical interest.
Proc. Natl. Acad. Sci. U.S.A. 45; 1229—1231, 1959.

267. ISENBERG, IRVIN—SZENT-GYÖRGYI, ALBERT
On the electron paramagnetic resonance of adenosine triphosphate [ATP].
Proc. Natl. Acad. Sci. U.S.A. 45; 1232—1235, 1959.

268. ISENBERG, I[RVIN]—SZENT-GYÖRGYI, A[LBERT]
On the absorption on heterocyclic electron donors and acceptors.
Proc. Natl. Acad. Sci. U.S.A. 45; 519—521, 1959.

269. KARREMAN, G[EORGE]—ISENBERG, I[RVIN]—SZENT-GYÖRGYI, A[LBERT]
On the mechanism of action of chlorpromazine.
Science, 130; 1191—1192, 1959.

1960

270. ISENBERG, I[RVIN]—SZENT-GYÖRGYI, A[LBERT]—BAIRD, S[PENCER] L., JR.
Spin resonance study of serotonin — FMN interaction.
Proc. Natl. Acad. Sci. U.S.A. 46; 1307—1311, 1960.

271. SZENT-GYÖRGYI, ALBERT
Introduction to a submolecular biology.
New York, 1960. Acad. Pr. 135 p.

272. SZENT-GYÖRGYI, ALBERT
Motion, energy transmission, and the cellular matrix.
Perspectives in marine biology. (3rd ed.) Ed.: Buzzati-Traverso, A[driano] A.
Berkeley, 1960. Univ. Calif. Pr. 233—238. p.

273. SZENT-GYÖRGYI, ALBERT
Remarks on muscle.
The structure and function of muscle. Vol. 3. Pharmacology and disease. Ed.: Bourne, G. H.
New York, 1960. Acad. Pr. 445—451. p.

274. SZENT-GYÖRGYI, ALBERT
Submolecular biology. In: Bioenergetics.
Radiat. Res. Suppl. 2. 4—18, 1960.

275. SZENT-GYÖRGYI, ALBERT—ISENBERG, IRVIN
On the electron-donating properties of indoles.
Proc. Natl. Acad. Sci. U.S.A. 46; 1334—1336, 1960.

276. SZENT-GYÖRGYI, ALBERT—ISENBERG, IRVIN—BAIRD, SPENCER L., JR.
On the electron donating properties of carcinogens.
Proc. Natl. Acad. Sci. U.S.A. 46; 1444—1449, 1960.

1961

277. AVERY, JOHN—BAY, ZOLTÁN—SZENT-GYÖRGYI, ALBERT
On the energy transfer in biological systems.
Proc. Natl. Acad. Sci. U.S.A. 47; 1742—1744, 1961.

278. HEGYELI, ANDREW—SZENT-GYÖRGYI, ALBERT
Water and myotonia in goats.
Science, 133; 1011, 1961.

279. ISENBERG, IRVIN—BAIRD, SPENCER L., JR.—SZENT-GYÖRGYI, ALBERT
A note on the interaction of DPNH and FMN.
Proc. Natl. Acad. Sci. U.S.A. 47; 245—247, 1961.

280. SZENT-GYÖRGYI, ALBERT
Currents in biochemistry.
J. Indian Chem. Soc. 38; 432—434, 1961.

281. SZENT-GYÖRGYI, ALBERT
Metals and charge transfer.
Proc. Natl. Acad. Sci. U.S.A. 47; 1398—1399, 1961.

282. SZENT-GYÖRGYI, ALBERT
In search of new biological dimensions.
Perspect. Biol. Med. 4; 393—402, 1961.

283. SZENT-GYÖRGYI, ALBERT
The supra- and submolecular in biology.
J. Theor. Biol. 1; 75—82, 1961.

284. SZENT-GYÖRGYI, ALBERT—ISENBERG, IRVIN—MCLAUGHLIN, JANE [A.]
Local and π-π interactions in charge transfer.
Proc. Natl. Acad. Sci. U.S.A. 47; 1089—1093, 1961.

285. SZENT-GYÖRGYI, A[LBERT]
On energy transformation.
Acta Physiol. Acad. Sci. Hung. 19; 293—296, 1961.

286. SZENT-GYÖRGYI, A[LBERT]—MCLAUGHLIN, JANE [A.]
Reaction of carcinogens with acridine.
Proc. Natl. Acad. Sci. U.S.A. 47; 1397—1398, 1961.

1962

287. BEUKERS, R.—SZENT-GYÖRGYI, A[LBERT]
On charge transfer spectra.
Recl. Trav. Chim. Pays Bas, 81; 255—268, 1962.

288. SZENT-GYÖRGYI, ALBERT
Bioenergetica.
[Bioenergetics.]
Bucuresti, 1962. Ed. Stiintifica, 162 p.

289. SZENT-GYÖRGYI, ALBERT
On cancer and cancer research.
On cancer and hormones. Essays in experimental biology. Ed.: Boyland, Eric — et al
Chicago, 1962. Univ. Pr. 249—252. p.

290. SZENT-GYÖRGYI, ALBERT
Currents in biochemistry.
J. Indian Chem. Soc. 38; 432—434, 1962.

291. SZENT-GYÖRGYI, ALBERT
A legbiztosabb óvóhely a béke.
[The safest shelter is the peace.]
Látóhatár, (Hung.) 12; 133—136, 1962.

292. SZENT-GYÖRGYI, ALBERT
On the possible role of quantum phenomena in normal and abnormal mental function.
Res. Publ. Ass. Nerv. Ment. Dis. 40; 325—336, 1962.

293. SZENT-GYÖRGYI, ALBERT
On scientific creativity.
Perspect. Biol. Med. 5; 173—178, 1962.

294. SZENT-GYÖRGYI, ALBERT
Treatment of water. [Patent]
U.S., 3, 026, 208, 20. Mar. 1962.

295. SZENT-GYÖRGYI, ALBERT—HEGYELI, ANDREW—MCLAUGHLIN, JANE A.
Constituents of the thymus gland and their relation to growth, fertility, muscle, and cancer.
Proc. Natl. Acad. Sci. U.S.A. 48; 1439—1442, 1962.

1963

296. HEGYELI, ANDREW—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
On the chemistry of the thymus gland.
Proc. Natl. Acad. Sci. U.S.A. 49; 230—232, 1963.

297. HEGYELI, ANDREW—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
On the chemistry of the thymus gland. [Abstract]
47th Annual Meeting of Federation of American Societies for Experimental Biology. Atlantic City, 1963.
Fed. Proc. 22; 570, 1963.

298. HEGYELI, ANDREW—MCLAUGHLIN, JANE [A.]—SZENT-GYÖRGYI, ALBERT
Preparation of retine from human urine.
Science, 142; 1571—1572, 1963.

299. SZENT-GYÖRGYI, ALBERT
On the charge transfer properties of steroids.
Life Sci. 2; 112, 1963.

300. SZENT-GYÖRGYI, ALBERT
Foreword.
Hungarians in America. Ed.: Szy, Tibor
New York, 1963. Hung. Univ. Assoc. V—VI. p.

301. SZENT-GYÖRGYI, ALBERT
Lost in the twentieth century.
Ann. Rev. Biochem. 32; 461—474, 1963.

302. SZENT-GYÖRGYI, ALBERT
Science, ethics and politics. With an appreciation by Russel, Bertrand.
New York, 1963. Vantage Pr. 91 p.

303. SZENT-GYÖRGYI, ALBERT—HEGYELI, ANDREW—MCLAUGHLIN, JANE A.
Cancer therapy: A possible new approach.
Science, 140; 1391—1392, 1963.

304. SZENT-GYÖRGYI, ALBERT—HEGYELI, ANDREW—MCLAUGHLIN, JANE A.
Growth and cellular constituents.
Proc. Natl. Acad. Sci. U.S.A. 49; 878—879, 1963.

305. SZENT-GYÖRGYI, A[LBERT]—KAMINER, B.
Metin and metactomyosin.
Proc. Natl. Acad. Sci. U.S.A. 50; 1033—1036, 1963.

1964

306. SZENT-GYÖRGYI, ALBERT
Introduction.
The structure and properties of biomolecules and biological systems. Ed.: Duchesne, J.
London, (1964.) Intersci. Publ. IX—XII. p.
/Advances in chemical physics. Vol. 7. Ed.: Prigogine, I./

307. SZENT-GYÖRGYI, ALBERT
Nehézségeim az atommal.
[My difficulties with the atom.]
Látóhatár, (Hung.) 14; 761—765, 1964.

308. SZENT-GYÖRGYI, ALBERT
Studies in growth.
Perspect. Biol. Med. 7; 279—284, 1964.

309. SZENT-GYÖRGYI, ALBERT
Teaching and the expanding knowledge.
Science, 146; 1278—1279, 1964.

310. SZENT-GYÖRGYI, ALBERT
Tudomány, erkölcs és politika.
[Science, morals and policy.]
Látóhatár, (Hung.) 14; 755—765, 1964.

311. SZENT-GYÖRGYI, ALBERT
A tudomány társadalmi felelősége.
[The social responsibility of science.]
Látóhatár, (Hung.) 14; 755—760, 1964.

312. SZENT-GYÖRGYI, ALBERT
Vvedenie v submolekularnuu biologiu. Perevod.: Tumermana, L. A.
[Introduction to a submolecular biology.]
Moszkva, 1964. Nauka, 139 p.

313. SZENT-GYÖRGYI, ALBERT—HEGYELI, ANDRÁS—MCLAUGHLIN, [JANE] A.
Új lehetőség a ráktherápiában.
[A possible new approach, in cancer therapy.]
Magy. Radiol. (Hung.) 16; 49—51, 1964.

1965

314. SZENT-GYÖRGYI, ALBERT
Cell division and cancer.
Science, 149; 34—37, 1965.

315. SZENT-GYÖRGYI, ALBERT
Psalmus Humanus.
Magy. Hírek, (Hung.) 9, márc. 1. 1965.

316. SZENT-GYÖRGYI, ALBERT
Vizsgálatok a sejtszaporodás szabályozásáról.
[Studies on the regulation of cell propagation.]
Orv. Hetil. (Hung.) 106; 241—242, 1965.

1966

317. EGYÜD, L[ÁSZLÓ] G.—SZENT-GYÖRGYI, A[LBERT]
Cell division, SH, ketoaldehydes, and cancer.
Proc. Natl. Acad. Sci. U.S.A. 55; 388—393, 1966.

318. EGYÜD, L[ÁSZLÓ] G.—SZENT-GYÖRGYI, A[LBERT]
On the regulation of cell division.
Proc. Natl. Acad. Sci. U.S.A. 56; 203—207, 1966.

319. SZENT-GYÖRGYI, ALBERT
Autobiotics and senescence.
Perspectives in experimental gerontology. Ed.: Shock, Nathan W.
Springfield, 1966. Thomas Publ. 323—325. p.

320. SZENT-GYÖRGYI, ALBERT
Drive in living matter to perfect itself.
J. Individ. Psychol. 22; 153—162, 1966.

321. SZENT-GYÖRGYI, ALBERT
Growth and organization. The Fifth Hopkins Memorial Lecture.
Biochem. J. 98; 641—644, 1966.

322. SZENT-GYÖRGYI, ALBERT
Inhibitors and promoters of cell division.
Proceedings Pan-Am Congress of Endocrinology, 6th. 1966. 104—107. p.

323. SZENT-GYÖRGYI, ALBERT
In search of simplicity and generalizations. (50 years poaching in science.)
Current aspects biochemical energetics. Ed.: Kaplan, N. O.—Kennedy, E. P.
New York, 1966. Acad. Pr. 63—75. p.

324. SZENT-GYÖRGYI, ALBERT
A tanítás és a bővülő tudás.
[Teaching and the expanding knowledge.]
Fiz. Szle, (Hung.) 16; 74—76, 1966.

1967

325. EGYÜD, LÁSZLÓ G.—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
Ketone aldehydes in tissues.
Proc. Natl. Acad. Sci. U.S.A. 57; 1422—1425, 1967.

326. FODOR, GÁBOR—SACHETTO, JEAN-PIERRE—SZENT-GYÖRGYI, ALBERT—EGYÜD, LÁSZLÓ G.
Ketone aldehydes in animal tissues.
Proc. Natl. Acad. Sci. U.S.A. 57; 1644—1650, 1967.

327. SZENT-GYÖRGYI, ALBERT
Charge transfer and electronic mobility.
Proc. Natl. Acad. Sci. U.S.A. 58; 2012—2014, 1967.

328. SZENT-GYÖRGYI, ALBERT
Foreword.
Selye, Hans: In vivo. The case for supramolecular biology presented in six informal, illustrated lectures.
New York, 1967. Liveright Publ. Corp. 11—13. p.

329. SZENT-GYÖRGYI, ALBERT
Kedves Gizi.
[Dear Gizi.]
Kedves Bajor Gizi! Levelek Bajor Gizihez. [Dear Gizi Bajor! Letters to Gizi Bajor.]
Budapest, 1967. Gondolat, 204—205. p.

330. SZENT-GYÖRGYI, ALBERT
Kedves Művésznő!
[Dear Artist!]
Kedves Bajor Gizi! Levelek Bajor Gizihez. [Dear Gizi Bajor! Letters to Gizi Bajor.]
Budapest, 1967. Gondolat, 108. p.

331. SZENT-GYÖRGYI, ALBERT
On retine.
Proc. Natl. Acad. Sci. U.S.A. 57; 1642—1643, 1967.

332. SZENT-GYÖRGYI, ALBERT—HEGYELI, ANDREW—MCLAUGHLIN, JANE A.
Biologically active animal extracts. [Patent]
U.S., 3, 297533, 1—2, 10. Jan. 1967.

333. SZENT-GYÖRGYI, A[LBERT]—EGYÜD, L[ÁSZLÓ] G.—MCLAUGHLIN, JANE A.
Keto-aldehydes and cell division. Glyoxal derivatives may be regulators of cell division and open a new approach to cancer.
Science, 155; 539—541, 1967.

1968

334. EGYÜD, LÁSZLÓ G.—SZENT-GYÖRGYI, ALBERT
Cancerostatic action of methylglyoxal.
Science, 160; 1140, 1968.

335. SZENT-GYÖRGYI, ALBERT
Bioelectronics.
Science, 161; 988—990, 1968.

336. SZENT-GYÖRGYI, ALBERT
Bioelectronics. A study in cellular regulations, defense, and cancer.
New York, 1968. Acad. Pr. 89 p.

337. SZENT-GYÖRGYI, ALBERT
Studies on cellular regulations.
Perspect. Biol. Med. 11; 350—357, 1968.

1969

338. KIMURA, J. E.—SZENT-GYÖRGYI, A[LBERT]
Donor-acceptor interactions of nitrogen.
Proc. Natl. Acad. Sci. U.S.A. 62; 286—288, 1969.

339. SZENT-GYÖRGYI, ALBERT
Charge, charge transfer and cellular activity.
Theoretical physics and biology. Ed.: Marois, M.
Amsterdam, 1969. North-Holland Publ. 192—193. p.

340. SZENT-GYÖRGYI, ALBERT
Energy transport and DA interactions.
Int. J. Quantum Chem. Symp. 3; 157—168, 1969.

341. SZENT-GYÖRGYI, ALBERT
Fifty years of poaching in science.
Biology and the Physical Sciences. Ed. Devons, Samuel.
New York, 1969. Columbia Univ. Pr. 14—23. p.

342. SZENT-GYÖRGYI, ALBERT
Molecules, electrons and biology.
Trans. N. Y. Acad. Sci. 31; 334—340, 1969.

343. SZENT-GYÖRGYI, ALBERT
Steric, electronic and integrative factors in enzymic regulation.
Advances in enzyme regulation. Vol. 7. Ed.: Weber, George
Oxford, 1969. Pergamon Pr. 5—11. p.

344. SZENT-GYÖRGYI, ALBERT—MIURA, Y.
On Albert Szent-Györgyi.
J. Jap. Med. Assoc. 62; 1164—1168, 1969.
[In Japanese]

1970

345. SZENT-GYÖRGYI, ALBERT
The crazy ape. Written by a biologist for the young.
New York, 1970. Philosophical Library, 93 p.

346. SZENT-GYÖRGYI, ALBERT
A harmadik környezet.
[The third environment.]
Korunk, (Hung.) 29; 1089—1090, 1970.

347. SZENT-GYÖRGYI, ALBERT
Egy biológus gondolatai.
[Contemplations of a biologist.]
Bp., 1970. Gondolat, 176 p.

348. SZENT-GYÖRGYI, ALBERT
Electrons, defense, and regulation.
Electrons, defense, and regulation. The 1969 W. O. Atwater Memorial Lecture.
Washington, 1970. Government Printing Office, [3—15]. p.

349. SZENT-GYÖRGYI, ALBERT
Elektronok és biológiai reakciók.
[Electrons and biological reactions.]
Búvár, (Hung.) 25; 66—69, 1970.

350. SZENT-GYÖRGYI, ALBERT
Előszó.
[Foreword.]
Selye, János: In vivo. A szupramolekuláris biológia védelmében. [In vivo. In defence of supramolecular biology.]
Bp., 1970. Akad. K. 9—10. p.

351. SZENT-GYÖRGYI, ALBERT
[Fifteen] 15 minutes to zero. Man's prescription for ending himself and the world.
New York Times, 43, Sept. 25. 1970.

352. SZENT-GYÖRGYI, ALBERT
Memories and thoughts about muscle.
Society of General Physiologists. Woods Hole, 5. Sept. 1970. 3—7. p.

353. SZENT-GYÖRGYI, ALBERT
New York-i beszélgetés Szent-Györgyi Alberttal. A Nobel-díjas tudós a Népszabadságnak nyilatkozik. (Riporter: Vajda, Péter)
[Interview in New York with Albert Szent-Györgyi. (The Nobel prize winner scientist expresses his views to the Népszabadság — Reporter: P. Vajda)]
Népszabadság, (Hung.) 29; 79, 14, 1970.

354. SZENT-GYÖRGYI, ALBERT
Az „Őrült majomtól" — a „Fenséges emberig". Magnóinterjú dr. Szent-Györgyi Alberttal. [1. rész] (Riporter: Munkácsy, Magdolna)
[From crazy ape to man king. Tape recorded interview. [1st part] Reporter: Magdolna Munkácsy.]
Magyar Nemzet, (Hung.) 26; 180, 7—8, 1970.

355. SZENT-GYÖRGYI, ALBERT
Report of a special meeting: Federal support for science research and education.
Trans. N. Y. Acad. Sci. Ser. II., 32; 47—49, 1970.

356. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert a biológiáról és önmagáról. [Riporter: Munkácsy, Magdolna]
[Albert Szent-Györgyi about himself and biology. (Reporter: Magdolna Munkácsy)]
Élet és Tud. (Hung.) 25; 733—735, 1970.

357. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert vallomása természettudományról, erkölcsről, emberségről. A Nobel-díjas tudóssal készült magnóinterjú 2. része.
[Statements on natural science, morals and humanism. (Tape recorded interview with the Nobel prize winner scientist, 2nd part. Reporter Magdolna Munkácsy.)]
Magyar Nemzet, (Hung.) 26; 195, 11—12, 1970.

358. SZENT-GYÖRGYI, ALBERT
Value of science.
Protein, 15; 233—239, 1970.
[In Japanese]

1971

359. HATA, SHUN-ICHI—EGYÜD, LÁSZLÓ G.—SZENT-GYÖRGYI, A[LBERT]
On the — 1.9 Volt (alternating current) polarographic signal of tissues.
Proc. Natl. Acad. Sci. U.S.A. 68; 2992—2993, 1971.

360. SZENT-GYÖRGYI, ALBERT
Biology and pathology of water.
Perspect. Biol. Med. 14; 239—249, 1971.

361. SZENT-GYÖRGYI, ALBERT
From crazy ape to man king. An interview with Albert Szent-Györgyi. Reporter: Munkácsy, Magdolna.
New Hung. Quart. 12; 41, 136—144, 1971.

362. SZENT-GYÖRGYI, ALBERT
Der fehlentwickelte Affe oder Die Unfähigkeit des Menschen, mit seinen Problemen fertig zu werden.
Wien, 1971. Bertelsmann Sachbuchverl. 127 p.

363. SZENT-GYÖRGYI, ALBERT
Looking back.
Perspect. Biol. Med. 15; 1, 1—5, 1971.

364. SZENT-GYÖRGYI, ALBERT
Merre halad a tudomány? [Szent-Györgyi Albert nyilatkozata]
[What is the direction of progress in science? (Interview with Albert Szent-Györgyi)]
Magy. Tud. (Hung.) 78; 676, 1971.

365. SZENT-GYÖRGYI, ALBERT
A sejtosztódás és a rák-probléma.
[Problem of cell division and cancer.]
Búvár, (Hung.) 26; 2—7, 1971.

366. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert 1930-ban elmondott beszédéből. [Közread. és bev.]: Földes Éva.
[Excerpts from Albert Szent-György's address delivered in 1930. (Publ. by Éva Földes)]
Magy. Pedag. (Hung.) 11; 3, 315—318, 1971.

367. SZENT-GYÖRGYI, ALBERT
What next?!
New York, 1971. Philosophical Library, 68 p.

368. SZENT-GYÖRGYI, A[LBERT]
Bioelektronika. Issledovanie v oblasti kletocnoj regulacii, zasitnyh mehanizmov i raka. Perev.: Nedelina, O. Sz.
[Bioélectronics. A study in cellular regulations, defence, and cancer.]
Moszkva, 1971. Mir. 79 p.

1972

369. SZENT-GYÖRGYI, ALBERT
A biológia fejlődése és a rákprobléma.
[Progess in of biology and the cancer problem.]
Magyar Hírlap, (Hung.,) 6, okt. 28. 1972.

370. SZENT-GYÖRGYI, ALBERT
The development of bioenergetics.
J. Bioenerg. 3; 1—4, 1972.

371. SZENT-GYÖRGYI, ALBERT
Dionysians and Apollonians.
Science, 176; 966, 1972.

372. SZENT-GYÖRGYI, ALBERT
„Egyszer mégiscsak felnő az emberiség... Legfőbb reményemet a fiatalságba vetem". (Straub, F. Brunó telefoninterjúja a Nobel-díjas tudóssal.)
["Humanity will grow up once after all... Youth is my major hope." (Telephone-interview of Brunó F. Straub with the Nobel-prize winner scientist.)]
Népszabadság, (Hung.) ápr. 19. 1972.

373. SZENT-GYÖRGYI, ALBERT
Ember és természet. (összeáll.: Szabó, T. E. Attila)
[Man and nature. (Compiled by A. T. E. Szabó)]
Korunk, (Hung.) 31; 11, 1678—1686, 1972.

374. SZENT-GYÖRGYI, ALBERT
The evolutionary paradox and biological stability.
Molecular evolution. Prebiological and biological. A volume commemorating the sixtieth birthday of Fox, Sidney W. Ed.: Rohlfing, D. L.—Oparin, A. I.
New York, 1972. Plenum Pr. 111—112. p.

375. SZENT-GYÖRGYI, ALBERT
Foreword.
Gábor, Miklós: The antiinflammatory action of flavonoids.
Bp., 1972. Akad. K. 7—8. p.

376. SZENT-GYÖRGYI, ALBERT
Foreword. Gábor, Miklós: The anti-inflammatory action of flavonoids.
Bp. 1972. Akad. K.
Hung. Book. Rev. 14; 20, 1972.

377. SZENT-GYÖRGYI, ALBERT
Az izomműködés biokémiájáról — a rákkutatásig.
[From the biochemistry of muscular function to the cancer research.]
Búvár, (Hung.) 27; 259—266, 1972.

378. SZENT-GYÖRGYI, ALBERT
The living state. With observations on cancer.
New York, 1972. Acad. Pr. 114 p.

379. SZENT-GYÖRGYI, ALBERT
Man and environment.
Arts of the environment. Ed.: Keppes, György
New York, 1972. Braziller, 233—239. p.
/Vision & Value Ser./

380. SZENT-GYÖRGYI, ALBERT
Dr. Szent-Györgyi Albert nyilatkozata. „Talán már csak egy lépés választ el a megoldástól." [Riporter]: Munkácsy, Magdolna.
["There may be only one step from the solution". Interview. (Reporter Magdolna Munkácsy)]
Magyar Hírlap, (Hung.) 5; 299, 6, 1972.

381. SZENT-GYÖRGYI, ALBERT—MCLAUGHLIN, JANE [A.]
Sulfhydryl group catalysis of charge transfer.
Proc. Natl. Acad. Sci. U.S.A. 69; 3510—3511, 1972.

1973

382. KON, HIDEO—SZENT-GYÖRGYI, ALBERT
Interaction of amines with ketone aldehydes and unsaturated aldehydes. (SH-groups/ESR/methylglyoxal/electrons.)
Proc. Natl. Acad. Sci. U.S.A. 70; 1030—1031, 1973.

383. KON, H[IDEO]—SZENT-GYÖRGYI, A[LBERT]
Charge transfer between amine and carbonyl.
Proc. Natl. Acad. Sci. U.S.A. 70; 3139—3140, 1973.

384. SZENT-GYÖRGYI, ALBERT
Bioelectronics and cancer.
J. Bioenerg. 4; 533—562, 1973.

385. SZENT-GYÖRGYI, ALBERT
Considerations about mechanochemical and psychochemical coupling.
J. Mechanochem. Cell Motil. 2: 3—5, 1973.

386. SZENT-GYÖRGYI, ALBERT
Az élet jellege.
[Nature of life.]
Bp., 1973. Magvető, 119 p.
/Gyorsuló idő/

387. SZENT-GYÖRGYI, ALBERT
Az élő állapot. Válogatott írások.
[The living state. Selected papers.]
(Cluj, 1973. La Intreprinderea Poligrafica Cluj) 176 p.

388. SZENT-GYÖRGYI, ALBERT
Ember és természet.
[Man and the nature.]
A Hét, (Hung.) 31; 18, 1973.

389. SZENT-GYÖRGYI, ALBERT
Megszívatni az agyat az alkotó munka gyönyörűségével. [Riporter]: Győri, György.
[To charge the brain with the delights of the creative work. Interview. (Reporter: György Győri)]
Köznevelés, (Hung.) 29; 365—378, 1973.

390. SZENT-GYÖRGYI, ALBERT
Szent-Györgyi Albert Magyarország felszabadulásáról. Fasiszta támadás a Nobel-díjas tudós ellen.
[Albert Szent-Györgyi on the liberation of Hungary. Fascist attack against the Nobel-prize winner scientist.]
Népszabadság, (Hung.) márc. 10. 1973.

391. SZENT-GYÖRGYI, ALBERT
A tudós polgár. (Részletek.) (Összeáll.: Munkácsy, Magdolna)
[The scholarly citizen. (Excerpts.) (Compiled by Magdolna Munkácsy)]
Élet és Tud. (Hung.) 37; 1733—1736, 1973.

392. SZENT-GYÖRGYI, A[LBERT]
Electrons, molecules, biology and cancer.
Acta Biochim. Biophys. (Hung.) 8; 117—127, 1973.

1974

393. SZENT-GYÖRGYI, ALBERT
Electronic biology and its relation to cancer.
Life Sci. 15; 863—875, 1974.

394. SZENT-GYÖRGYI, ALBERT
The mechanism of muscle contraction.
Proc. Natl. Acad. Sci. U.S.A. 71; 3343—3344, 1974.

395. SZENT-GYÖRGYI, ALBERT
Research grants.
Perspect. Biol. Med. 18; 41—43, 1974.

396. SZENT-GYÖRGYI, ALBERT
Sokszemközt — tudósokkal. Kardos István tévésorozata.
[Talks with scientists. Television series of István Kardos.]
Budapest, 1974. Minerva, 383—423. p.

1975

397. SZENT-GYÖRGYI, ALBERT
A little catechism.
Bull. Atomic Scientists, April, 5, 1975.

398. SZENT-GYÖRGYI, ALBERT
In remembrance of István Rusznyák my fellow professor.
Acta Med. Acad. Sci. Hung. 32; 191, 1975.

399. SZENT-GYÖRGYI, ALBERT
A talk with Albert Szent-Györgyi. A televised interview by István Kardos.
New Hung. Quart. 16; 57, 136—150, 1975.

400. SZENT-GYÖRGYI, ALBERT
Vorwort.
Gábor, Miklós: Abriss der Pharmakologie von Flavonoiden unter besonderer Berücksichtigung der antiödematösen und antiphlogistischen Effekte.
Bp., 1975. Akad. K. 7—8. p.

401. SZENT-GYÖRGYI, ALBERT—MCLAUGHLIN, JANE A.
Interaction of glyoxal and methylglyoxal with biogenic amines.
Proc. Natl. Acad. Sci. U.S.A. 72; 1610—1611, 1975.

1976

402. SZENT-GYÖRGYI, ALBERT
A biológiai stabilitás és az evolúciós paradoxon.
[Biological stability and paradoxon of evolution.]
Tiszatáj, (Hung.) 30; 38—41, 1976.

403. SZENT-GYÖRGYI, ALBERT
Electronic biology and cancer. A new theory of cancer.
New York, 1976. Dekker Inc., 112 p.

404. SZENT-GYÖRGYI, ALBERT
The electronic theory of cancer.
Int. J. Quantum Chem. Quantum Biol. Symp. 3; 45—50, 1976.

405. SZENT-GYÖRGYI, ALBERT
Elektronok szerepe az életjelenségekben. Előadás az ELTE hallgatóinak, 1973.
[Role of electrons in life functions. (Lecture for the ELTE university students)]
Fiz. Szle, (Hung.) 26; 6, 201—205, 1976.

406. SZENT-GYÖRGYI, ALBERT
Megszívatni az agyat az alkotó munka gyönyörűségével. Beszélgetés Szent-Györgyi Alberttel. [Riporter]: Győri, György.
[Charge the brain with the delights of the creative work. Interview (Reporter Gy. Győri)]
Ember és műveltség. [The man and the culture.]
Bp., 1976. Gondolat, 3—5. p.

407. SZENT-GYÖRGYI, ALBERT
Some reminiscences of my life as a scientist.
Int. J. Quantum Chem. Quantum Biol. Symp. 3; 7—12, 1976.

408. SZENT-GYÖRGYI, ALBERT—CHUNG, RACK H.—BOYAJIAN, MICHAEL J.—TISCHLER, MAX—ARISON, BYRON H.—SCHOENEWALDT, ERVIN F.—WITTICK, JAMES J.
Agaridoxin, a mushroom metabolite: isolation, structure, and synthesis.
J. Org. Chem. 41; 1603—1606, 1976.

409. SZENT-GYÖRGYI, ALBERT—MCLAUGHLIN, JANE A.
Chemical evolution, the living state, and cancer.
Biosci. Commun. 2; 371—379, 1976.

1977

410. PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT
Electronic properties of the casein-methylglyoxal complex.
Proc. Natl. Acad. Sci. U.S.A. 74; 226—228, 1977.

411. POHL, HERBERT A.—GASCOYNE, PETER R. C.—SZENT-GYÖRGYI, ALBERT
Electron spin resonance absorption of tissue constituents.
Proc. Natl. Acad. Sci. U.S.A. 74; 1558—1560, 1977.

412. SZENT-GYÖRGYI, ALBERT
Anatomy and thermodynamics.
Biosystems, 8; 275, 1977.

413. SZENT-GYÖRGYI, ALBERT
Electronic biology and cancer.
Search and discovery. A tribute to Albert Szent-Györgyi. Ed.: Kaminer, Benjamin
New York, 1977. Acad. Pr. 329—335. p.

414. SZENT-GYÖRGYI, ALBERT
Ember – természet – jövendő. Válaszok szerkesztőségünk körkérdésére. [Men, nature, future. In answer to the all-round inquiry of the editors.]
Magyar Hírlap, (Hung.) 10; 303, 14, 1977.

415. SZENT-GYÖRGYI, ALBERT
A little catechism.
Search and discovery. A tribute to Albert Szent-Györgyi. Ed.: Kaminer, Benjamin
New York, 1977. Acad. Pr. 6–7. p.

416. SZENT-GYÖRGYI, ALBERT
The living state and cancer.
Proc. Natl. Acad. Sci. U.S.A. 74; 2844–2847, 1977.

417. SZENT-GYÖRGYI, ALBERT
Protein radicals, regulations, and cancer.
Int. J. Quantum Chem. Symp. 4; 179–184, 1977.

1978

418. BONE, STEPHEN–LEWIS, T. JOHN–PETHIG, RONALD–SZENT-GYÖRGYI, ALBERT
Electronic properties of some protein-methylglyoxal complexes.
Proc. Natl. Acad. Sci. U.S.A. 75; 315–318, 1978.

419. FODOR, GÁBOR–MUJUMDAR, RATNAKAR–SZENT-GYÖRGYI, ALBERT
Isolation of methylglyoxal from liver.
Proc. Natl. Acad. Sci. U.S.A. 75; 4317–4319, 1978.

420. OTTO, PETER–LADIK, JÁNOS–LAKI, KOLOMAN–SZENT-GYÖRGYI, ALBERT
Internal charge transfer in proteins to the Schiff bases of their lysine side chains.
Proc. Natl. Acad. Sci. U.S.A. 75; 3548–3550, 1978.

421. SZENT-GYÖRGYI, ALBERT
Albert Szent-Györgyi. (This interview was made in 1974.)
Scientists face to face. Ed.: Kardos, István
(Bp., 1978. Corvina) 306–352. p.

422. SZENT-GYÖRGYI, ALBERT
An electronic theory of cancer.
Int. J. Quantum Chem. Quantum Biol. Symp. 12; Suppl. 1. 407–414, 1978.

423. SZENT-GYÖRGYI, ALBERT
Elektron-biológia és a rák.
[Electron-biology and the cancer.]
Fiz. Szle, (Hung.) 28; 361–366, 1978.

424. SZENT-GYÖRGYI, ALBERT
How new understandings about the biological function of ascorbic acid may profoundly affect our lives.
Executive Health, 14; 8, [756–759], 1978.

425. SZENT-GYÖRGYI, ALBERT—MCLAUGHLIN, J[ANE] A.
The living state.
Int. J. Quantum Chem. Symp. 5; 137—141, 1978.

426. SZENT-GYÖRGYI, ALBERT
The living state and cancer.
New York, 1978. Dekker Inc. 86 p.

1979

427. OTTO, PETER—LADIK, JÁNOS—SZENT-GYÖRGYI, ALBERT
Quantum chemical calculations of model systems for ascorbic acid adducts with Schiff bases of lysine side chains: Possibility of internal charge transfer in proteins.
Proc. Natl. Acad. Sci. U.S.A. 76; 3849—3851, 1979.

428. SZENT-GYÖRGYI, ALBERT
The living state and cancer.
Submolecular Biology and Cancer. Ciba Foundation Symposium 67 (new series). In honour of Albert Szent-Györgyi on the occasion of his 85th birthday. London, 1978.
Amsterdam, 1979. Excerpta Medica, 3—18. p.

1980

429. FODOR, GÁBOR B.—SZENT-GYÖRGYI, ALBERT
Cyclic double hemiacetals of onediol compounds. [Patent]
Ger. Offen. DE 3010947: 23. Oct. 1980. 23 p.

430. MCLAUGHLIN, JANE A.—PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT
Spectroscopic studies of the protein-methylglyoxal adduct.
Proc. Natl. Acad. Sci. U.S.A. 77; 949—951, 1980.

431. PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT
Bioelectrochemistry, the living state, and electronic conduction in proteins.
Bioelectrochemistry. Ed.: Keyzer, Hendrik—Gutmann, Felix
New York, 1980. Plenum Pr. 227—252. p.

432. SZENT-GYÖRGYI, ALBERT
The living state and cancer.
Physiol. Chem. Phys. 12; 99—109, 1980.

433. SZENT-GYÖRGYI, ALBERT—FODOR, GÁBOR B.
Cyclic acetals.
Ger. Offen. DE 2924077, 17. Jan. 1980. 28 p.

1981

434. GASCOYNE, PETER R. C.—PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT
Water structure-dependent charge transport in proteins.
Proc. Natl. Acad. Sci. U.S.A. 78; 261—265, 1981.

435. SZENT-GYÖRGYI, ALBERT
Pledoarie pentru viatá. Selectia textelor si prefata: Szabó, Attila.
[Pleading for the life. Selection and preface: Attila Szabó.]
Bucuresti, 1981. Ed. Politica. 252 p.

1982

436. GASCOYNE, PETER R. C.—SYMONS, MARTYN C. R.—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
Free radicals produced in the interaction of cysteine with carbonyls of biological relevance.
Int. J. Quantum Chem. Symp. 9; 137—143, 1982.

437. SZENT-GYÖRGYI, ALBERT
The art in being wrong.
Hosp. Pract. 17; 179—189, 1982.

438. SZENT-GYÖRGYI, ALBERT
Biological oxidation and cancer.
Int. J. Quantum Chem. Symp. 9; 27—30, 1982.

1983

439. PETHIG, RONALD—GASCOYNE, PETER R. C.—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
Ascorbate-quinone interactions: Electrochemical, free radical, and cytotoxic properties.
Proc. Natl. Acad. Sci. U.S.A. 80; 129—132, 1983.

440. SZENT-GYÖRGYI, ALBERT
Az anyag élő állapota. (Ford.: Gervay, Judit. Utószó: Marx, György)
[The living state and cancer. (Transl.: Judit Gervay. Epilogue: György Marx)]
Bp., 1983. Magvető, 103 p.
/Gyorsuló Idő/

441. SZENT-GYÖRGYI, ALBERT
A Nobel-díjas tudós bemutatkozik.
[Nobel-prize winner scientist on himself.]
Szent-Györgyi, Albert: Válogatott tanulmányok. [Selected studies.]
Bp., 1983. Gondolat, 23—26. p.

442. SZENT-GYÖRGYI, ALBERT
"A tanítás jó volt, a gyermeket megölték".
["The child has been killed though teaching was good."]
Képes Sport, (Hung.) 23, Szept. 20. 1983.

443. SZENT-GYÖRGYI, ALBERT
Válogatott tanulmányok. — Munkatársak, barátok Szent-Györgyi, Albertről.
[Selected studies. — Co-workers and friends about Albert Szent-Györgyi.] Ed.: Elődi, Pál
Bp., 1983. Gondolat, 336 p.

444. SZENT-GYÖRGYI, ALBERT—MCLAUGHLIN, JANE A.
The living state.
J. Bioelectricity, 2; 207—212, 1983.

1984

445. GASCOYNE, PETER [R.] C.—MCLAUGHLIN, JANE A.—PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT—LAI, CHIU-NAN—BECKER, FREDERICK F.
Quenching of anionic free radicals by normal and transformed cells: A probe of phenotypic changes.
Int. J. Quantum Chem. Quantum Biol. Symp. 11; 309—314, 1984.

446. GASCOYNE, PETER [R.] C.—SZENT-GYÖRGYI, ALBERT
Anomalous electrochemical and electron spin resonance properties of some biologically relevant methoxyl-substituted quinones.
Int. J. Quantum Chem. Quantum Biol. Symp. 11; 217—222, 1984.

447. PETHIG, RONALD—GASCOYNE, PETER R. C.—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
Interaction of the 2,6-dimethoxysemiquinone and ascorbyl free radicals with Ehrlich ascites cells: A probe of cell-surface charge.
Proc. Natl. Acad. Sci. U.S.A. 81; 2088—2091, 1984.

448. SZENT-GYÖRGYI, ALBERT
Negyven éve történt. Szükséges a barátság a Szovjetunióval. Szent-Györgyi Albert nyilatkozik a Népszabadságnak. [Riporter]: Vajda, Péter.
[It happened forty years ago. We need the friendship of the Soviet Union. Interview. (Reporter Péter Vajda)]
Népszabadság, (Hung.) 42; 195, 7, 1984.

449. SZENT-GYÖRGYI, ALBERT
Protometabolism.
Int. J. Quantum Chem. Quantum Biol. Symp. 11; 63—67, 1984.

450. SZENT-GYÖRGYI, ALBERT
Tudósportrék. Kardos István tv-sorozata.
[Portraits of scientists. Television series of István Kardos.]
[Budapest], 1984. Kossuth Ny. 119—155. p.

451. SZENT-GYÖRGYI, A[LBERT]
Nature of life. A study on muscle.
New York, 1984. Acad. Pr. 91 p.

1985

452. PETHIG, RONALD—GASCOYNE, PETER R. C.—MCLAUGHLIN, JANE A.—SZENT-GYÖRGYI, ALBERT
Enzyme-controlled scavenging of ascorbyl and 2,6-dimethoxysemiquinone free radicals in Ehrlich ascites tumor cells.
Proc. Natl. Acad. Sci. U.S.A. 82; 1439—1442, 1985.

453. SZENT-GYÖRGYI, ALBERT
Foreword.
Wagner, Francis S.: Zoltan Bay atomic physicist. A pioneer of space research. Ed.: Wagner-Jones, C.
Bp., 1985. Akad. K. 9—10. p.

454. SZENT-GYÖRGYI, ALBERT
Metabolism and cancer.
Int. J. Quantum Chem. Quantum Biol. Symp. 12; 257—261, 1985.

1987

455. GASCOYNE, PETER R. C.—PETHIG, RONALD—SZENT-GYÖRGYI, ALBERT
Electron spin resonance studies of the interaction of oxidoreductases with 2,6-dimethoxy-p-quinone and semiquinone.
Biochim. Biophys. Acta, 923; 257—262, 1987.

456. PRICE, JONATHAN A. R.—PETHIG, RONALD—LAI, CHIU-NAN—BECKER, FREDERICK F.—GASCOYNE, PETER R. C.—SZENT-GYÖRGYI, ALBERT
Changes in cell surface charge and transmembrane potential accompanying neoplastic transformation of rat kidney cells.
Biochim. Biophys. Acta, 898; 129—136, 1987.

457. SZENT-GYÖRGYI, ALBERT
Az alkotás indítékának titka.
[Secret incentives of creativity.]
USA (Washington), 55; 93—96, 1987.

458. SZENT-GYÖRGYI, ALBERT
A tudomány. [Tudomány, 1; 97—101, 1945. közlemény hasonmás kiadása]
[The Science.] [Facsimile ed. from Tudomány, 1945. 97—101. p.]
Biokémia, (Hung.) 11; 49—55, 1987.

1989

459. SZENT-GYÖRGYI, ALBERT
Az őrült majom. Írta egy biológus.
[The crazy ape. Written by a biologist for the young.]
Bp., 1989. Magvető, 106 p.
/Gyorsuló Idő/

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